

UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: AC 731	Date of Summary: 25-SEP-2007	First Sample Examined: 11785
Lease Number: G19386	Source of Paleo: OPERATOR	Borehole MD: 16844
Well Name: AC001	Paleo Done By: OPERATOR	Borehole TVD: 15744
API Well Number: 608054003600	Drilling Operator: EXXON MOBIL CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11785 - 15150	Water Depth: 8694
Public Info Code: Y 15-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: North Bront Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11785 / 11784	DEF AT first sample examined	DEF IN 5
11786 / 11785	DEF IN condensed section	DEF IN 5
11787 / 11786	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF IN 5
11788 / 11787	DEF IN Upper Miocene (Tortonian) Discoaster bellus	DEF IN 5
11850 / 11849	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF IN 5
11880 / 11879	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF IN 5
11909 / 11908	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF IN 5
11910 / 11909	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF IN 5
11937 / 11936	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis (increase)	DEF IN 5
11938 / 11937	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF IN 5
11939 / 11938	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF IN 5
11940 / 11939	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF IN 5
11969 / 11968	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF IN 5
11970 / 11969	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF IN 5
11999 / 11998	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF IN 5
12000 / 11999	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 5
12028 / 12027	DEF AT unconformity	DEF IN 5
12029 / 12028	DEF AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF IN 5
12030 / 12029	DEF AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF IN 5
12085 / 12084	DEF IN Lower Oligocene (Rupelian) Discoaster nodifer	DEF IN 5
12119 / 12118	DEF AT Lower Oligocene (Rupelian) Lanternithus minutus	DEF IN 5
12120 / 12119	DEF AT Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF IN 5

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<b>Area Block:</b> AC 731	<b>Date of Summary:</b> 25-SEP-2007	<b>First Sample Examined:</b> 11785
<b>Lease Number:</b> G19386	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16844
<b>Well Name:</b> AC001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 15744
<b>API Well Number:</b> 608054003600	<b>Drilling Operator:</b> EXXON MOBIL CORPORATION	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 11785 - 15150	<b>Water Depth:</b> 8694
<b>Public Info Code:</b> Y 15-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
12160 / 12159	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF	IN	5
12210 / 12209	DEF AT - - - - -	DEF	IN	4
12240 / 12239	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF	IN	4
12270 / 12269	DEF AT Middle Eocene (Lutetian) Sphenolithus spiniger	DEF	IN	4
12298 / 12297	DEF AT Middle Eocene (Lutetian) Rhabdosphaera inflata	DEF	IN	4
12299 / 12298	DEF AT Middle Eocene (Lutetian) Discoaster Iodoensis	DEF	IN	4
12300 / 12299	DEF AT Middle Eocene (Lutetian) Neococcolithes dubius	DEF	IN	4
12359 / 12357	DEF AT Upper Oligocene	DEF	IN	4
12360 / 12358	DEF AT local marker floral decrease	DEF	IN	4
12540 / 12538	DEF AT Lower Eocene (Ypresian) Acarinina soldadoensis	DEF	IN	4
12570 / 12568	DEF AT Lower Eocene (Ypresian) Globorotalia wilcoxensis	DEF	IN	4
13619 / 13516	DEF AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF	IN	4
13620 / 13517	DEF AT Upper Paleocene (Thanetian) Toweius eminens	DEF	IN	4
13800 / 13649	DEF AT Upper Paleocene (Thanetian) Fasciculithus tympaniformis	DEF	IN	4
14460 / 14105	POS AT Upper Paleocene (Thanetian) Heliolithus kleinpellii	DEF	IN	4
15150 / 14578	DEF AT Upper Paleocene (Thanetian) Cruciplacolithus tenuis (increase)	DEF	IN	4
15420 / 14764	DEF AT Bathysiphon fauna	DEF	IN	4
15960 / 15136	POS AT Lower Paleocene (Danian) Chiasmolithus danicus	DEF	AT	4
16020 / 15177	POS AT Lower Paleocene (Danian) Markalius inversus astroporus	DEF	IN	4
16844 / 15745	DEF AT last sample examined	DEF	IN	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 8050
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 16708
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16708
API Well Number: 608184000800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 8050 - 16660	Water Depth: 6133
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Neptune Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8050 / 8050	DEF AT first sample examined	POS IN 4
8079 / 8079	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF IN 4
8080 / 8080	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
8170 / 8170	DEF AT - - - - -	POS IN 4
10960 / 10960	DEF AT - - - - -	DEF IN 4
11050 / 11050	DEF AT - - - - -	POS IN 4
12670 / 12669	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS IN 4
13690 / 13689	POS IN Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF IN 4
13930 / 13929	DEF AT cement	DEF IN 4
13990 / 13989	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS IN 4
14020 / 14019	DEF AT - - - - -	POS IN 4
14050 / 14049	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS IN 4
14080 / 14079	POS IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	POS IN 4
14305 / 14304	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	POS IN 4
14350 / 14349	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS IN 4
14650 / 14649	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	POS IN 4
14755 / 14754	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 4
15040 / 15039	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	POS IN 4
15280 / 15279	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	POS IN 4
15820 / 15819	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	POS IN 4
16240 / 16239	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	POS IN 4
16270 / 16269	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	POS IN 4

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Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: AT 574	Date of Summary: 06-AUG-1998	First Sample Examined: 8050
Lease Number: G08035	Source of Paleo: OPERATOR	Borehole MD: 16708
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 16708
API Well Number: 608184000800	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 56
Paleo Report Num: 1 of 1	Sample Range: 8050 - 16660	Water Depth: 6133
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
16480 / 16479	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	POS	IN	4
16600 / 16599	DEF AT Arenaceous fauna (local marker)	POS	IN	4
16660 / 16659	DEF AT last sample examined	POS	IN	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: BA 417	Date of Summary: 11-OCT-2001	First Sample Examined: 0
Lease Number: G22190	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8124
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 7912
API Well Number: 427044033301	Drilling Operator: HELIS OIL & GAS COMPANY LLC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 91
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7827 / 7615	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT

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Start Date: 01-JAN-2008

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Area Block: BA A 19	Date of Summary: 18-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Alex Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 / 11998	DEF AT first sample examined	DEF AT 2
12001 / 11999	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT 2
12060 / 12058	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 2
12390 / 12388	DEF AT local marker foram increase	DEF AT 2
12630 / 12628	DEF AT faunal change (no faunal increase)	DEF AT 2
12780 / 12778	DEF AT - - - - -	DEF AT 3
12870 / 12868	DEF AT - - - - -	DEF AT 2
13080 / 13078	DEF AT local marker foram increase	DEF AT 2
13440 / 13438	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
13680 / 13677	DEF AT local marker foram increase	DEF AT 3
13860 / 13857	DEF AT faunal change (no faunal increase)	DEF AT 3
13950 / 13947	DEF AT local marker (general)	DEF AT 3
14190 / 14187	DEF AT local marker (general)	DEF AT 3
14580 / 14576	DEF AT - - - - -	DEF AT 2
15480 / 15475	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 2
15720 / 15715	DEF AT limestone	DEF AT 2
15780 / 15775	DEF AT local marker foram increase	DEF AT 3
15810 / 15805	POS AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
15930 / 15925	DEF AT - - - - -	DEF AT 2
16110 / 16105	DEF AT local marker foram increase	DEF AT 2
17220 / 17214	DEF AT local marker foram increase	DEF AT 2
17540 / 17533	DEF AT sand	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: BA A 19	Date of Summary: 18-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
18410 / 18402	DEF AT -----	DEF AT 1
18710 / 18701	DEF AT -----	DEF AT 2
18740 / 18731	DEF AT local marker foram increase	DEF AT 3
18790 / 18781	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: BA A 19	Date of Summary: 26-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 2 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS:	Paleo ID: 004

Remark: Alex Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 / 11998	DEF AT first sample examined	DEF AT
12120 / 12118	POS IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
14520 / 14516	POS IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
18790 / 18781	DEF AT last sample examined	DEF AT



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Start Date: 01-JAN-2008

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Area Block: BA A 19	Date of Summary: 27-MAY-1998	First Sample Examined: 12000
Lease Number: G03936	Source of Paleo: OPERATOR	Borehole MD: 18790
Well Name: JC001	Paleo Done By: OPERATOR	Borehole TVD: 18781
API Well Number: 427044031600	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 3 of 3	Sample Range: 12000 - 18790	Water Depth: 134
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Alex Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12000 / 11998	DEF AT first sample examined	DEF AT 2
12120 / 12118	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
12390 / 12388	DEF AT local marker (general)	DEF AT 2
12690 / 12688	DEF AT local marker (general)	DEF AT 2
13080 / 13078	DEF AT local marker foram increase	DEF AT 2
13440 / 13438	DEF AT local marker foram increase	DEF AT 3
13680 / 13677	DEF AT local marker (general)	DEF AT 3
13860 / 13857	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT 3
14100 / 14097	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
14520 / 14516	DEF IN Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 3
14640 / 14636	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15480 / 15475	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
15780 / 15775	POS AT local marker (general)	DEF AT 3
16110 / 16105	POS AT local marker (general)	DEF AT 2
17340 / 17334	DEF AT local marker (general)	DEF AT 2
18740 / 18731	POS AT local marker (general)	DEF AT 2
18789 / 18780	DEF AT Lower (Early) Miocene	DEF AT 2
18790 / 18781	DEF AT last sample examined	DEF AT 2

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EB 159	Date of Summary: 09-JUN-1998	First Sample Examined: 0
Lease Number: G02645	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14033
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 6388
API Well Number: 608044004102	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 113
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 924
Public Info Code: Y 21-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
9473 / 4410	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT
11761 / 5115	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 205	Date of Summary: 01-JUN-2001	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Company-integrated foram and nanno report, 6410=Globorotalia triangula

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4620 / 4620	DEF AT first sample examined	DEF	AT	4
5570 / 5570	DEF AT local marker foram increase	DEF	AT	4
5780 / 5780	DEF AT sample gap top	POS	AT	4
5839 / 5839	DEF AT sample gap bottom	DEF	IN	4
5840 / 5840	POS AT condensed section	DEF	IN	4
5841 / 5841	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	4
5842 / 5842	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	IN	4
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF	IN	4
6350 / 6350	POS AT local marker planktic foram increase	DEF	IN	4
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	4
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	4
7040 / 7040	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	4
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	IN	4
7130 / 7130	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	IN	4
7310 / 7310	DEF AT local marker floral increase	DEF	IN	4
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	4
7550 / 7550	DEF AT faunal change (no faunal increase)	DEF	AT	4
7670 / 7670	DEF AT faunal change (no faunal increase)	DEF	IN	4
7730 / 7730	DEF AT faunal change (no faunal increase)	DEF	AT	4
8060 / 8060	DEF AT faunal change (no faunal increase)	DEF	IN	4
8090 / 8090	DEF AT local marker foram increase	DEF	IN	4
8150 / 8150	DEF AT faunal change (no faunal increase)	DEF	AT	4

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 205	Date of Summary: 01-JUN-2001	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8630 / 8630	DEF IN Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF AT 4
8689 / 8689	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF IN 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Textularia crassisepta / "P"	DEF IN 4
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
8810 / 8810	DEF AT local marker foram increase	DEF IN 4
9020 / 9020	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
9140 / 9140	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 4
9440 / 9440	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF IN 4
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
9710 / 9710	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
9780 / 9780	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 205	Date of Summary: 02-JAN-2002	First Sample Examined: 4620
Lease Number: G17237	Source of Paleo: OPERATOR	Borehole MD: 9785
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9783
API Well Number: 608044021800	Drilling Operator: UNION OIL COMPANY OF CALIFORNIA	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4620 - 9780	Water Depth: 1081
Public Info Code: Y 28-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, paleobathymetry ranges from middle to upper bathyal in the stratigraphic section analyzed

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4620 / 4620	DEF AT first sample examined	DEF AT 4
5839 / 5839	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
5840 / 5840	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
6349 / 6349	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 4
6350 / 6350	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
6830 / 6830	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
7100 / 7100	DEF IN Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 4
7430 / 7430	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
8690 / 8690	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT 4
8720 / 8720	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9140 / 9140	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
9470 / 9470	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9780 / 9780	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 1 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4570 / 4570	DEF AT first sample examined	DEF AT 4
5500 / 5500	POS IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 5
5650 / 5650	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5740 / 5740	DEF AT - - - - -	DEF AT 5
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
5978 / 5978	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
5979 / 5979	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6250 / 6250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6340 / 6340	DEF AT local marker foram decrease	DEF AT 5
7389 / 7389	DEF AT local marker planktic foram increase	DEF AT 5
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 5
7770 / 7770	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 421	Date of Summary: 08-MAR-2001	First Sample Examined: 4570
Lease Number: G17255	Source of Paleo: OPERATOR	Borehole MD: 7770
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7770
API Well Number: 608044020000	Drilling Operator: SAMEDAN OIL CORPORATION	Rkb Elevation: 60
Paleo Report Num: 2 of 2	Sample Range: 4570 - 7770	Water Depth: 2740
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4570 / 4570	DEF AT first sample examined	DEF AT
4571 / 4571	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
5709 / 5709	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5710 / 5710	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5890 / 5890	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
5980 / 5980	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6100 / 6100	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6310 / 6310	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
7390 / 7390	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7770 / 7770	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 465	Date of Summary: 07-MAR-2008	First Sample Examined: 4800
Lease Number: G19006	Source of Paleo: OPERATOR	Borehole MD: 7800
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7800
API Well Number: 608044026000	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 69
Paleo Report Num: 1 of 1	Sample Range: 4800 - 7800	Water Depth: 2777
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4800 / 4800	DEF AT first sample examined	POS	AT	5
5008 / 5008	POS AT maximum flooding surface	DEF	AT	5
5009 / 5009	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF	AT	5
5010 / 5010	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
5489 / 5489	POS AT maximum flooding surface	DEF	AT	5
5490 / 5490	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF	AT	5
5818 / 5818	POS AT maximum flooding surface	DEF	IN	5
5819 / 5819	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF	IN	5
5820 / 5820	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	IN	5
5849 / 5849	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF	IN	5
5850 / 5850	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	IN	5
6060 / 6060	POS AT maximum flooding surface	DEF	IN	5
6088 / 6088	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
6089 / 6089	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF	IN	5
6090 / 6090	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF	IN	5
6180 / 6180	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	IN	5
6330 / 6330	POS AT maximum flooding surface	DEF	IN	5
6360 / 6360	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	IN	5
6779 / 6779	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	5
6780 / 6780	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	5
7800 / 7800	DEF AT last sample examined	DEF	AT	5

**This report contains public paleo reports only for the time period stated**



UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 10220
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11025
API Well Number: 608044016803	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 10220 - 12320	Water Depth: 3668
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 / 9594	DEF AT first sample examined	DEF AT
10221 / 9595	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
10520 / 9802	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11630 / 10547	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
12139 / 10901	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
12140 / 10902	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12260 / 10988	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12320 /	DEF AT last sample examined	DEF AT

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PAGE: 18*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EB 642	Date of Summary: 13-JAN-1998	First Sample Examined: 10220
Lease Number: G09184	Source of Paleo: OPERATOR	Borehole MD: 12312
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11025
API Well Number: 608044016803	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 10220 - 12320	Water Depth: 3668
Public Info Code: Y 12-JAN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10220 / 9594	DEF AT first sample examined	DEF AT 5
10221 / 9595	DEF AT poor sample interval top	DEF AT 5
11150 / 10224	DEF AT poor sample interval bottom	DEF AT 5
11840 / 10692	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12230 / 10966	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT 5
12320 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EB 688	Date of Summary: 04-JUN-1998	First Sample Examined: 5610
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10182
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10182
API Well Number: 608044017400	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 5610 - 10110	Water Depth: 3751
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5610 / 5610	DEF AT first sample examined	POS AT 5
5611 / 5611	DEF IN cement	POS AT 5
5850 / 5850	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
5910 / 5910	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
8520 / 8520	DEF AT faunal change (no faunal increase)	DEF IN 5
8550 / 8550	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
8610 / 8610	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
8760 / 8760	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF IN 5
8940 / 8940	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9150 / 9150	DEF AT local marker foram decrease	DEF IN 5
10110 / 10110	DEF AT last sample examined	DEF IN 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EB 688	Date of Summary: 09-JUN-1998	First Sample Examined: 5610
Lease Number: G09191	Source of Paleo: OPERATOR	Borehole MD: 10182
Well Name: 004	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10182
API Well Number: 608044017400	Drilling Operator: READING & BATES DEVELOPMENT CO	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 5610 - 10110	Water Depth: 3751
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
5610 / 5610	DEF AT first sample examined	DEF AT
5970 / 5970	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8400 / 8400	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
8490 / 8490	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8910 / 8910	DEF AT local marker floral increase	DEF AT
10110 / 10110	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EC 84	Date of Summary: 07-APR-2000	First Sample Examined: 0
Lease Number: G14356	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18600
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 18555
API Well Number: 177034087500	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 58
Public Info Code: Y 29-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14515 / 14477	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
18112 / 18071	DEF IN Middle Miocene (Serravallian) Cibicides opima	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EC 151	Date of Summary: 30-APR-1998	First Sample Examined: 0
Lease Number: G05372	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8560
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 8509
API Well Number: 177034085300	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 75
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

MD / TVD	Paleo Top Description	Ecozone
7120 / 7119	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT
7872 / 7862	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EC 269	Date of Summary: 25-AUG-2006	First Sample Examined: 12560
Lease Number: G24807	Source of Paleo: OPERATOR	Borehole MD: 16859
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16846
API Well Number: 177044108201	Drilling Operator: REMINGTON OIL AND GAS CORPORATION	Rkb Elevation: 125
Paleo Report Num: 1 of 1	Sample Range: 12560 - 16859	Water Depth: 173
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12560 / 12556	DEF AT first sample examined	DEF IN 3
12750 / 12746	DEF AT maximum flooding surface	DEF AT 3
12780 / 12776	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 4
12810 / 12806	DEF AT - - - - -	DEF AT 3
13260 / 13255	DEF AT Bathysiphon fauna	DEF AT 3
13319 / 13314	DEF AT maximum flooding surface	DEF AT 3
13320 / 13315	DEF AT Bathysiphon fauna	DEF AT 3
13350 / 13345	DEF AT - - - - -	DEF AT 4
13650 / 13645	DEF AT Bathysiphon fauna	DEF AT 4
14420 / 14414	DEF AT Bathysiphon fauna	DEF AT 4
14860 / 14854	DEF AT Bathysiphon fauna	DEF AT 4
15650 / 15643	DEF AT Bathysiphon fauna	DEF AT 4
15659 / 15651	DEF AT maximum flooding surface	DEF AT 4
15660 / 15652	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
15810 / 15802	DEF AT - - - - -	DEF AT 4
16670 / 16658	DEF AT Bathysiphon fauna	DEF AT 4
16859 / 16846	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EC 313	Date of Summary: 01-JUN-2006	First Sample Examined: 5340
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 9771	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Firefly Prospect, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
5340 / 5181	DEF AT first sample examined	DEF	IN	1
5370 / 5209	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	IN	1
5400 / 5236	DEF AT - - - - -	DEF	AT	2
5580 / 5397	DEF AT Upper Pliocene (Gelasian) Globorotalia pertenuis	POS	AT	3
5639 / 5450	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF	AT	3
5640 / 5451	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	3
5759 / 5560	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF	AT	3
5760 / 5561	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF	AT	3
5820 / 5617	DEF AT local marker foram decrease	DEF	AT	3
5970 / 5757	DEF AT sample gap top	DEF	AT	3
6090 / 5871	DEF AT sample gap bottom	DEF	AT	2
6390 / 6159	DEF AT - - - - -	DEF	IN	1
6450 / 6217	DEF AT Turtle Grass fauna = Amphistegina Mound	DEF	AT	1
6660 / 6418	DEF AT - - - - -	DEF	IN	1
6930 / 6678	DEF AT - - - - -	DEF	AT	1
7110 / 6852	DEF AT local marker benthic foram increase	DEF	AT	1
7470 / 7197	DEF AT - - - - -	DEF	IN	1
7740 / 7454	DEF AT local marker benthic foram increase	DEF	IN	1
7770 / 7482	DEF AT local marker benthic foram increase	DEF	IN	1
7800 / 7511	DEF AT pyrite	DEF	IN	1
7830 / 7539	DEF AT - - - - -	POS	AT	1
9059 / 8713	POS AT out-of-place section	POS	AT	1

This report contains public paleo reports only for the time period stated



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EC 313	Date of Summary: 01-JUN-2006	First Sample Examined: 5340
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 9771	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
9060 / 8714	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	POS AT 1
9660 / 9293	DEF AT local marker benthic foram increase	DEF AT 1
9750 / 9380	DEF AT last sample examined	DEF AT 1

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EC 313	Date of Summary: 02-JUN-2006	First Sample Examined: 5370
Lease Number: G24815	Source of Paleo: OPERATOR	Borehole MD: 9771
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 9400
API Well Number: 177044108100	Drilling Operator: MARLIN COASTAL, LLC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5370 - 9780	Water Depth: 187
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Firefly Prospect, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5370 / 5209	DEF AT first sample examined	DEF AT
5371 / 5209	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
5610 / 5424	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
5970 / 5757	DEF AT sample gap top	DEF AT
6089 / 5871	DEF AT sample gap bottom	DEF AT
6090 / 5871	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
6450 / 6217	POS AT Lower Pliocene (Zanclian) Discoaster variabilis	DEF AT
7020 / 6765	DEF AT reworked material	DEF AT
9780 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 143	Date of Summary: 13-JAN-1998	First Sample Examined: 0
Lease Number: G17973	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15904
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15687
API Well Number: 177094116600	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 04-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5100 / 5100	DEF IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8120 / 8120	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
9800 / 9800	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
11480 / 11479	POS AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13010 / 13009	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
13250 / 13249	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
13340 / 13339	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
14480 / 14440	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 152	Date of Summary: 13-MAR-2008	First Sample Examined: 19860
Lease Number: G27107	Source of Paleo: OPERATOR	Borehole MD: 21391
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 21368
API Well Number: 177094108701	Drilling Operator: LLOG EXPLORATION OFFSHORE INC	Rkb Elevation: 115
Paleo Report Num: 1 of 1	Sample Range: 19860 - 21170	Water Depth: 72
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
19860 /	DEF AT first sample examined	DEF	AT	4
20060 /	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	4
20209 /	POS AT maximum flooding surface	DEF	AT	4
20210 /	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF	AT	4
21170 /	DEF AT last sample examined	DEF	AT	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 243	Date of Summary: 06-AUG-1998	First Sample Examined: 0
Lease Number: G02898	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11978
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 11100
API Well Number: 177094038301	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 148
Public Info Code: Y 13-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11200 / 10323	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
11000 / 10923	DEF AT first sample examined	POS	IN	3
11660 / 11536	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF	AT	5
11720 / 11592	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	5
12110 / 11953	DEF AT Arenaceous fauna (local marker)	DEF	AT	5
12530 / 12344	DEF AT local marker foram increase	DEF	AT	5
12560 / 12372	DEF AT Lower Pliocene (Zanclian) Discoaster challengerii	DEF	AT	5
12710 / 12512	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	POS	AT	4
12830 / 12624	DEF AT - - - - -	DEF	AT	5
12890 / 12680	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF	AT	5
13220 / 12989	DEF AT Arenaceous fauna (local marker)	DEF	AT	5
13550 / 13300	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF	AT	5
13730 / 13472	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF	AT	5
14120 / 13851	DEF AT unconformity	DEF	IN	5
14600 / 14324	DEF AT sample gap top	POS	IN	5
14659 / 14382	DEF AT sample gap bottom	DEF	IN	5
14660 / 14383	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF	IN	5
14899 / 14620	DEF AT transported shelf fauna	DEF	AT	5
14900 / 14621	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	AT	5
15200 / 14920	POS IN Upper Miocene (Tortonian) Robulus "E"	DEF	IN	5
15590 / 15310	DEF AT local marker foram increase	POS	AT	6
15650 / 15370	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF	AT	6
15860 / 15580	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 256	Date of Summary: 07-JUL-2005	First Sample Examined: 11000
Lease Number: G02102	Source of Paleo: OPERATOR	Borehole MD: 19502
Well Name: A008	Paleo Done By: OPERATOR	Borehole TVD: 19208
API Well Number: 177094142701	Drilling Operator: POGO PRODUCING COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 11000 - 19502	Water Depth: 137
Public Info Code: Y 13-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15890 / 15610	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
16991 / 16711	DEF AT cement	POS AT 6
17090 / 16810	DEF AT - - - - -	DEF AT 6
17299 / 17019	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
17300 / 17020	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF AT 6
17390 / 17110	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 6
17900 / 17620	DEF AT unconformity	DEF AT 6
18020 / 17740	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
18080 / 17800	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 6
18140 / 17860	DEF AT Middle Miocene (Serravallian) Globorotalia foehi lobata	DEF AT 6
18230 / 17950	DEF AT local marker foram decrease	POS AT 6
18440 / 18160	DEF AT anhydrite	POS AT 6
19070 / 18786	DEF AT Middle Eocene (Lutetian) Discoaster lodoensis	POS AT 6
19502 / 19214	DEF AT last sample examined	POS AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 327	Date of Summary: 14-MAY-1998	First Sample Examined: 2000
Lease Number: G02910	Source of Paleo: OPERATOR	Borehole MD: 12229
Well Name: A015	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11804
API Well Number: 177104148300	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 2000 - 12230	Water Depth: 262
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2000 / 1992	DEF AT first sample examined	DEF AT 3
2240 / 2221	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3110 / 3022	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
4280 / 4100	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
8000 / 7583	POS AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
8300 / 7879	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10340 / 9915	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
10430 / 10005	DEF AT - - - - -	DEF AT 5
11000 / 10575	DEF AT Cyclammina cancellata (local marker)	DEF AT 5
11030 / 10605	POS AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
12140 / 11715	DEF AT Upper Pliocene (Piacenzian) Saracenaria "H"	DEF AT 5
12230 /	DEF AT last sample examined	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 339	Date of Summary: 25-NOV-1997	First Sample Examined: 0
Lease Number: G02118	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 7057
Well Name: B012	Paleo Done By: OPERATOR	Borehole TVD: 5792
API Well Number: 177104034305	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 92
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 269
Public Info Code: Y 16-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2650 / 2524	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
5020 / 4295	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 339	Date of Summary: 20-MAY-1998	First Sample Examined: 10130
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: C017	Paleo Done By: OPERATOR	Borehole TVD: 7334
API Well Number: 177104148801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 1 of 2	Sample Range: 10130 - 10860	Water Depth: 268
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10130 / 6704	DEF AT first sample examined	DEF AT 2
10280 / 6829	DEF AT local marker foram increase	DEF AT 2
10550 / 7063	DEF AT local marker foram increase	DEF AT 2
10580 / 7090	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
10770 / 7259	DEF AT faunal change (no faunal increase)	DEF AT 2
10860 /	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 339	Date of Summary: 01-JUN-1998	First Sample Examined: 10280
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 10854
Well Name: C017	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 7334
API Well Number: 177104148801	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 2 of 2	Sample Range: 10280 - 10580	Water Depth: 268
Public Info Code: Y 10-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10280 / 6829	DEF AT first sample examined	DEF AT
10281 / 6830	DEF AT reworked material	DEF AT
10579 / 7089	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
10580 / 7090	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EI 339	Date of Summary: 30-APR-1998	First Sample Examined: 7020
Lease Number: G02318	Source of Paleo: OPERATOR	Borehole MD: 8788
Well Name: C019	Paleo Done By: OPERATOR	Borehole TVD: 7198
API Well Number: 177104149201	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 7020 - 8790	Water Depth: 268
Public Info Code: Y 28-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 5508	DEF AT first sample examined	DEF AT 3
7030 / 5517	DEF IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
7180 / 5654	DEF AT faunal change (no faunal increase)	DEF IN 2
7330 / 5794	DEF AT local marker foram increase	DEF IN 2
8580 / 6996	DEF AT drilling material	DEF IN 2
8710 / 7123	DEF AT siltstone	DEF IN 2
8760 / 7171	DEF AT local marker foram increase	DEF IN 2
8790 / 7200	DEF AT last sample examined	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT 2
4670 / 4670	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6230 / 6230	DEF AT - - - - -	DEF AT 4
7430 / 7430	DEF AT Lower Pleistocene (Calabrian) Angulogerina magna	DEF AT 4
7520 / 7520	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
9440 / 9439	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9710 / 9709	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 4
9740 / 9739	DEF AT - - - - -	DEF AT 5
9770 / 9769	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10070 / 10069	DEF AT - - - - -	DEF AT 6
10880 / 10879	POS IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
10910 / 10909	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
11150 / 11149	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
11660 / 11650	POS AT local marker planktic foram increase	DEF AT 6
11833 / 11817	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 346	Date of Summary: 27-JUL-1998	First Sample Examined: 3500
Lease Number: G14482	Source of Paleo: OPERATOR	Borehole MD: 11833
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11825
API Well Number: 177104149100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3500 - 11833	Water Depth: 314
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3500 / 3500	DEF AT first sample examined	DEF AT
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4730 / 4730	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
6470 / 6470	POS AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
7550 / 7550	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
7790 / 7790	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9200 / 9199	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9380 / 9379	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9440 / 9439	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9470 / 9469	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
9740 / 9739	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9800 / 9799	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9980 / 9979	POS AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10070 / 10069	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
10400 / 10399	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
11000 / 10999	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11330 / 11328	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11833 / 11817	DEF AT last sample examined	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT 4
1701 / 1701	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3500 / 3500	DEF AT faunal change (no faunal increase)	DEF AT 3
3770 / 3770	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6650 / 6650	DEF AT faunal change (no faunal increase)	DEF AT 4
6920 / 6920	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
9620 / 9619	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 1700
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 9730
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9730
API Well Number: 177104149000	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 1700 - 9620	Water Depth: 380
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: N	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
1700 / 1700	DEF AT first sample examined	DEF AT
2240 / 2240	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
6650 / 6650	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8990 / 8989	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9620 / 9619	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9620 / 9619	DEF AT first sample examined	DEF AT 4
9621 / 9620	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
10610 / 10609	DEF AT faunal change (no faunal increase)	POS AT 5
11870 / 11869	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11990 / 11989	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
13910 / 13908	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
16190 / 16179	DEF AT sample gap top	POS AT 5
16334 / 16322	DEF AT sample gap bottom	DEF AT 5
17210 / 17190	DEF AT Lower Pliocene (Zancian) Buccella (Eponides) hannai (acme)	DEF AT 5
17219 / 17199	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: EI 390	Date of Summary: 26-JUN-1998	First Sample Examined: 9620
Lease Number: G14487	Source of Paleo: OPERATOR	Borehole MD: 17220
Well Name: SS002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17200
API Well Number: 177104149001	Drilling Operator: MARATHON OIL COMPANY	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 9620 - 17219	Water Depth: 377
Public Info Code: Y 16-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9620 / 9619	DEF AT first sample examined	DEF AT
10850 / 10849	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
11390 / 11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
11900 / 11899	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11930 / 11929	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13910 / 13908	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16190 / 16179	DEF AT sample gap top	DEF AT
16334 / 16322	DEF AT sample gap bottom	DEF AT
16700 / 16685	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17150 / 17130	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17219 / 17199	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EI 395	Date of Summary: 30-NOV-2001	First Sample Examined: 0
Lease Number: G21649	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10118
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6744
API Well Number: 177104153500	Drilling Operator: WALTER OIL & GAS CORPORATION	Rkb Elevation: 78
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 525
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9550 / 6362	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 3540
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 12150
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12147
API Well Number: 608104010000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3540 - 12150	Water Depth: 1853
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 3540	DEF AT first sample examined	DEF AT 4
3541 / 3541	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 4
3900 / 3900	DEF AT faunal change (no faunal increase)	POS AT 5
6540 / 6540	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
10770 / 10767	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11400 / 11397	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11460 / 11457	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
12150 / 12147	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 3540
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 12150
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 12147
API Well Number: 608104010000	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3540 - 12150	Water Depth: 1853
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

MD / TVD	Paleo Top Description	Ecozone
3540 / 3540	DEF AT first sample examined	DEF AT
6780 / 6780	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9990 / 9988	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
10770 / 10767	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11160 / 11157	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
11490 / 11487	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
11910 / 11907	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12150 / 12147	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 10070
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 11950
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11880
API Well Number: 608104010001	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 10070 - 11950	Water Depth: 1853
Public Info Code: Y 01-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10070 / 10068	DEF AT first sample examined	DEF AT 5
10071 / 10069	DEF AT cement	DEF AT 5
10700 / 10694	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
11240 / 11213	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
11450 / 11410	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
11540 / 11495	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
11950 / 11880	DEF AT last sample examined	DEF AT 5

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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: EW 966	Date of Summary: 09-JUN-1998	First Sample Examined: 10070
Lease Number: G18184	Source of Paleo: OPERATOR	Borehole MD: 11950
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11880
API Well Number: 608104010001	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 10070 - 11950	Water Depth: 1853
Public Info Code: Y 01-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10070 / 10068	DEF AT first sample examined	DEF AT
10700 / 10694	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
10730 / 10724	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
11240 / 11213	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11450 / 11410	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
11480 / 11439	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
11510 / 11467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11810 / 11748	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11950 / 11880	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GA 151	Date of Summary: 25-MAY-2001	First Sample Examined: 0
Lease Number: G15740	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11265
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 11115
API Well Number: 427064041200	Drilling Operator: MARINER ENERGY INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 50
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

MD / TVD	Paleo Top Description	Ecozone
6300 / 6298	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
6630 / 6628	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
7080 / 7078	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
9020 / 8992	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
9410 / 9361	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GA 301	Date of Summary: 19-MAY-1998	First Sample Examined: 0
Lease Number: G12502	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11653
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 11203
API Well Number: 427064041000	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 132
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 63
Public Info Code: Y 08-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8118 / 7950	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11000 / 10610	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GA 301	Date of Summary: 06-MAY-1998	First Sample Examined: 0
Lease Number: G14833	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14236
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 11502
API Well Number: 427064040500	Drilling Operator: APACHE CORPORATION	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 61
Public Info Code: Y 23-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13717 / 11178	DEF IN Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 128	Date of Summary: 02-JUN-1998	First Sample Examined: 0
Lease Number: G11454	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16909
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13308
API Well Number: 608074017402	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 148
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 633
Public Info Code: Y 24-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: 5710=top of chaotic zone, 8570=bottom of chaotic zone

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12820 / 9333	DEF AT salt	DEF AT
14166 / 10572	DEF AT base of salt	DEF AT
14560 / 10961	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
14740 / 11141	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14845 / 11246	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF AT 2
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 3
4270 / 4269	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 3
5380 / 5379	DEF AT - - - - -	DEF AT 4
11240 / 10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12380 / 11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
13850 / 12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
14000 / 12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
15350 / 14206	DEF AT Eggerella 3 (local marker)	DEF AT 4
15650 / 14506	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16830 / 15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
17520 / 16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 4
17580 / 16435	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
17730 / 16585	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 4
18150 / 17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
18270 / 17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 4
18300 / 17155	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
18630 / 17485	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF IN 2
2950 / 2949	DEF AT local marker foram increase	DEF AT 3
3190 / 3189	DEF AT reworked material	DEF AT 3
3250 / 3249	DEF AT limestone	DEF AT 3
3370 / 3369	DEF AT local marker foram increase	DEF IN 3
3610 / 3609	DEF AT faunal change (no faunal increase)	DEF AT 3
4180 / 4179	DEF AT reworked material	DEF AT 3
4210 / 4209	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 4
4270 / 4269	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
4271 / 4270	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "A")	DEF AT 4
4330 / 4329	DEF AT faunal change (no faunal increase)	DEF IN 3
4390 / 4389	DEF AT faunal change (no faunal increase)	DEF AT 3
4450 / 4449	DEF AT local marker (general)	DEF AT 3
5260 / 5259	DEF AT faunal change (no faunal increase)	DEF IN 3
5380 / 5379	DEF AT limestone	DEF IN 4
5680 / 5678	DEF AT local marker foram decrease	POS AT 4
6040 / 6029	DEF AT faunal change (no faunal increase)	DEF AT 4
6100 / 6087	DEF AT local marker foram increase	DEF AT 4
6880 / 6804	DEF AT local marker foram increase	DEF AT 4
6940 / 6855	DEF AT local marker foram decrease	POS AT 4
7420 / 7240	DEF AT faunal change (no faunal increase)	DEF AT 4
7810 / 7529	DEF AT local marker foram increase	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
8230 / 7842	DEF AT local marker foram increase	DEF AT 5
8290 / 7886	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B")	DEF AT 5
8560 / 8086	DEF AT faunal change (no faunal increase)	DEF AT 4
9050 / 8450	DEF AT cement	POS AT 4
10970 / 9934	POS AT local marker foram increase	DEF IN 3
11210 / 10140	DEF AT faunal change (no faunal increase)	DEF AT 4
11240 / 10166	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 4
11450 / 10355	DEF AT faunal change (no faunal increase)	DEF AT 4
11690 / 10577	DEF AT Bathysiphon fauna	DEF AT 4
11870 / 10747	DEF AT faunal change (no faunal increase)	DEF IN 4
12050 / 10920	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 4
12380 / 11242	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 4
12500 / 11360	DEF AT faunal change (no faunal increase)	DEF AT 4
13550 / 12407	DEF AT local marker foram increase	DEF AT 4
13760 / 12617	DEF AT Arenaceous fauna (local marker)	DEF AT 4
13820 / 12677	DEF AT faunal change (no faunal increase)	DEF AT 5
13850 / 12707	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13851 / 12708	POS AT condensed section	DEF AT 5
13970 / 12827	DEF AT faunal change (no faunal increase)	DEF IN 4
14000 / 12857	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 4
14300 / 13156	DEF AT faunal change (no faunal increase)	DEF AT 4
14570 / 13426	DEF AT Arenaceous fauna (local marker)	DEF AT 4
14750 / 13606	DEF AT local marker foram increase	DEF AT 4
15050 / 13906	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15110 / 13966	DEF AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
15350 / 14206	POS AT Eggerella 3 (local marker)	DEF IN 4
15351 / 14207	POS AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
15410 / 14266	DEF AT faunal change (no faunal increase)	DEF AT 4
15590 / 14446	DEF AT Bathysiphon fauna	DEF AT 4
15650 / 14506	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
16010 / 14866	DEF AT Bathysiphon fauna	DEF IN 4
16250 / 15106	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
16500 / 15355	DEF AT faunal change (no faunal increase)	DEF IN 4
16620 / 15475	DEF AT Arenaceous fauna (local marker)	DEF IN 4
16710 / 15565	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF IN 4
16830 / 15685	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
16950 / 15805	DEF AT faunal change (no faunal increase)	DEF AT 4
17310 / 16165	DEF AT faunal change (no faunal increase)	DEF IN 4
17340 / 16195	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
17370 / 16225	DEF AT faunal change (no faunal increase)	DEF AT 4
17520 / 16375	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
17580 / 16435	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 4
17730 / 16585	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
17850 / 16705	DEF AT faunal change (no faunal increase)	DEF AT 4
18030 / 16885	DEF AT transported shelf fauna	DEF AT 4
18150 / 17005	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
18151 / 17006	POS AT condensed section	DEF IN 4
18270 / 17125	DEF AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 01-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
18330 / 17185	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
18630 / 17485	DEF AT last sample examined	DEF IN 4



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 / 10891	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 / 10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 / 11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 / 11837	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 / 12407	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 / 12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 / 12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 / 15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 / 15475	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17460 / 16315	DEF AT sample gap top	DEF AT
17519 / 16374	DEF AT sample gap bottom	DEF AT
17520 / 16375	POS AT Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
18450 / 17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 / 17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 / 17485	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 161	Date of Summary: 09-MAR-1998	First Sample Examined: 2830
Lease Number: G13367	Source of Paleo: OPERATOR	Borehole MD: 18657
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 17512
API Well Number: 608074017500	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 84
Paleo Report Num: 4 of 4	Sample Range: 2830 - 18630	Water Depth: 970
Public Info Code: Y 08-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Calcareous nannofossil report, paleo done by Therese Dunn, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2830 / 2830	DEF AT first sample examined	DEF AT
3310 / 3309	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
3520 / 3519	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
5500 / 5499	DEF AT reworked material	DEF AT
8230 / 7842	DEF IN Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8290 / 7886	DEF IN Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
12020 / 10891	POS IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
12050 / 10920	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
12950 / 11807	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12980 / 11837	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13550 / 12407	DEF IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13880 / 12737	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
14030 / 12887	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16470 / 15325	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16620 / 15475	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17460 / 16315	DEF AT sample gap top	DEF AT
17519 / 16374	DEF AT sample gap bottom	DEF AT
17520 / 16375	POS IN Lower Pliocene (Zanclian) Sphenolithus grandis	DEF AT
18450 / 17305	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
18510 / 17365	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18630 / 17485	DEF AT last sample examined	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 172	Date of Summary: 20-AUG-1998	First Sample Examined: 0
Lease Number: G14221	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14441
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 11402
API Well Number: 608074018200	Drilling Operator: SHELL OFFSHORE INC	Rkb Elevation: 130
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 693
Public Info Code: Y 04-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
8220 / 6251	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 4
10170 / 7551	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
12600 / 9706	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
13555 / 10573	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
14080 / 11062	DEF AT - - - - -	DEF IN 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 200	Date of Summary: 23-JUN-1998	First Sample Examined: 3158
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 13752
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13143
API Well Number: 608074018100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 3158 - 13750	Water Depth: 1731
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone		
3158 / 3158	DEF AT first sample examined	POS	AT	5
3200 / 3200	DEF AT - - - - -	DEF	AT	5
4850 / 4850	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	5
5210 / 5210	POS IN Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF	AT	5
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT	5
11030 / 10560	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	AT	5
12710 / 12167	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	AT	5
13490 / 12898	POS AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF	AT	5
13750 / 13141	DEF AT last sample examined	DEF	AT	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 200	Date of Summary: 23-JUN-1998	First Sample Examined: 3158
Lease Number: G15852	Source of Paleo: OPERATOR	Borehole MD: 13752
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13143
API Well Number: 608074018100	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 3158 - 13750	Water Depth: 1731
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3158 / 3158	DEF AT first sample examined	DEF AT
3200 / 3200	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
8630 / 8338	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
8690 / 8391	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8810 / 8498	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11030 / 10560	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
11960 / 11453	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
12650 / 12111	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
12710 / 12167	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
13490 / 12898	POS IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
13750 / 13141	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12370 / 12340	DEF AT first sample examined	POS AT 5
12371 / 12341	DEF AT cement	POS AT 5
13090 / 13060	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B")	DEF AT 5
13720 / 13689	POS AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 5
13930 / 13899	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
16030 / 15989	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
17200 / 17155	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
17260 / 17214	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
17530 / 17484	DEF IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
18010 / 17964	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
18250 / 18204	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
18310 / 18264	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 6
18638 / 18591	DEF AT gouge	DEF AT 6
18639 / 18592	DEF AT Upper Oligocene (Chattian) Globigerina sellii	DEF AT 6
18640 / 18593	DEF AT Upper Oligocene (Chattian) Globorotalia opima nana	DEF AT 6
18730 / 18683	POS AT anhydrite	DEF AT 6
18731 / 18684	DEF AT salt	DEF AT 6
19480 / 19432	DEF AT base of salt	DEF AT 6
19570 / 19522	POS AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
21670 / 21619	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 6
22170 / 22119	DEF AT last sample examined	DEF AT 6

**This report contains public paleo reports only for the time period stated**

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, 19510=absence of salt, analysis at 19680 based on sidewall cores

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12370 / 12340	DEF AT first sample examined	DEF AT
12940 / 12910	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
13210 / 13180	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13360 / 13330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
13960 / 13929	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
14170 / 14138	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
15250 / 15213	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16030 / 15989	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
16870 / 16826	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17080 / 17035	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17380 / 17334	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
17800 / 17754	DEF AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
18040 / 17994	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
18070 / 18024	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
18340 / 18294	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
18370 / 18323	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18640 / 18593	DEF AT Lower Miocene (Aquitainian) Helicosphaera recta	DEF AT
18760 / 18713	DEF AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT
18850 / 18803	DEF AT salt	DEF AT
19510 / 19462	POS AT base of salt	DEF AT
19680 / 19632	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
21220 / 21170	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 215	Date of Summary: 22-APR-1998	First Sample Examined: 12370
Lease Number: G09216	Source of Paleo: OPERATOR	Borehole MD: 22186
Well Name: 005	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 22134
API Well Number: 608074017200	Drilling Operator: HESS CORPORATION	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 12370 - 22170	Water Depth: 1464
Public Info Code: Y 17-APR-2008	Ecozone Eq MMS:	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21640 / 21590	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
22170 / 22119	DEF AT last sample examined	DEF AT



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 260	Date of Summary: 22-JAN-1998	First Sample Examined: 8523
Lease Number: G07461	Source of Paleo: OPERATOR	Borehole MD: 17964
Well Name: A007	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16002
API Well Number: 608074017900	Drilling Operator: HESS CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8523 - 17962	Water Depth: 1646
Public Info Code: Y 16-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8523 / 8301	DEF AT first sample examined	DEF AT
8524 / 8302	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
12560 / 11597	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13100 / 12047	DEF IN Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
16160 / 14544	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
17510 / 15632	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
17600 / 15705	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
17962 / 16000	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 29-DEC-1997	First Sample Examined: 18230
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 1 of 4	Sample Range: 18230 - 25280	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram report for sidetrack 1, foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
18230 / 17734	DEF AT first sample examined	DEF AT 5
18920 / 18387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
21110 / 20468	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
23630 / 22862	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
23930 / 23147	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
25160 / 24334	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25280 / 24451	DEF AT last sample examined	DEF IN 5

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 29-DEC-1997	First Sample Examined: 18230
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 2 of 4	Sample Range: 18230 - 25280	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Calcareous nannofossil report for sidetrack 1

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18230 / 17734	DEF AT first sample examined	DEF AT
18770 / 18243	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
21110 / 20468	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
22190 / 21493	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
23660 / 22890	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
23960 / 23175	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
24260 / 23462	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
25100 / 24275	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
25280 / 24451	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 25332
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 3 of 4	Sample Range: 25332 - 27730	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Foram report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 / 24502	DEF AT first sample examined	DEF IN 5
25480 /	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25630 /	DEF AT - - - - -	DEF AT 6
25781 /	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26800 /	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
27130 /	DEF AT - - - - -	DEF AT 5
27340 /	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
27730 /	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 25332
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 25342
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24511
API Well Number: 608074016601	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 82
Paleo Report Num: 4 of 4	Sample Range: 25332 - 27730	Water Depth: 2663
Public Info Code: Y 09-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 005

Remark: Calcareous nannofossil report for extension

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25332 / 24502	DEF AT first sample examined	DEF AT
25810 /	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
26560 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
27100 /	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
27340 /	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
27730 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24993 / 24171	DEF AT first sample examined	DEF IN 5
25260 / 24432	DEF IN Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
25530 / 24696	DEF AT - - - - -	POS AT 6
25710 / 24872	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
26750 / 25889	DEF AT last sample examined	DEF AT 6

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GB 386	Date of Summary: 28-JUL-1998	First Sample Examined: 24993
Lease Number: G10350	Source of Paleo: OPERATOR	Borehole MD: 27864
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 26978
API Well Number: 608074016602	Drilling Operator: NEWFIELD EXPLORATION GULF COAST INC	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 24993 - 26750	Water Depth: 2663
Public Info Code: Y 06-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
24990 / 24168	DEF AT first sample examined	DEF AT
25800 / 24960	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT
26460 / 25605	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
26750 / 25889	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 112	Date of Summary: 01-FEB-1998	First Sample Examined: 8870
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15048
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13735
API Well Number: 608114022400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8870 - 15048	Water Depth: 1757
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Angus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8870 / 8267	DEF AT first sample examined	DEF AT
9290 / 8608	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT
10190 / 9347	DEF AT - - - - -	DEF AT 4
10250 / 9396	DEF AT local marker foram increase	DEF AT 4
10340 / 9471	DEF AT local marker foram increase	DEF IN 4
10520 / 9621	DEF AT - - - - -	DEF AT 4
11240 / 10225	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
11450 / 10402	DEF AT - - - - -	DEF IN 4
11510 / 10452	DEF AT pyrite	DEF IN 4
11600 / 10528	DEF AT - - - - -	DEF AT 4
11720 / 10630	POS AT reworked material	DEF IN 3
12740 / 11503	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	POS IN 3
13220 / 11937	DEF AT - - - - -	DEF IN 4
13340 / 12050	DEF AT pyrite	DEF IN 4
14030 / 12720	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
14090 / 12780	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF IN 4
14210 / 12899	DEF AT local marker foram increase	DEF IN 4
14450 / 13138	DEF AT local marker planktic foram increase	DEF AT 4
14540 / 13228	DEF AT local marker planktic foram increase	DEF AT 4
14570 / 13258	DEF AT - - - - -	DEF IN 4
14600 / 13288	DEF AT local marker planktic foram increase	DEF IN 4
14660 / 13348	DEF AT pyrite	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 112	Date of Summary: 01-FEB-1998	First Sample Examined: 8870
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15048
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13735
API Well Number: 608114022400	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 8870 - 15048	Water Depth: 1757
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001
<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15048 / 13735	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> GC 112	<b>Date of Summary:</b> 01-MAR-1998	<b>First Sample Examined:</b> 8821
<b>Lease Number:</b> G15545	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 15509
<b>Well Name:</b> 002	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 13288
<b>API Well Number:</b> 608114022401	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 82
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 8821 - 15545	<b>Water Depth:</b> 1757
<b>Public Info Code:</b> Y 19-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark: Angus Prospect

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8821 / 8227	DEF AT first sample examined	DEF AT
10230 / 9248	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
10560 / 9457	POS AT unconformity	DEF AT
10740 / 9571	DEF AT pyrite	DEF AT
11850 / 10294	POS AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT
11880 / 10314	DEF AT pyrite	DEF AT
12720 / 10869	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
13200 / 11192	DEF AT sand	DEF AT
13380 / 11320	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
14520 / 12334	DEF AT sand	DEF AT
14580 / 12392	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
14640 / 12450	DEF AT local marker (general)	DEF AT
14670 / 12479	DEF AT pyrite	DEF AT
14700 / 12508	POS AT unconformity	DEF AT
14820 / 12624	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
15449 / 13230	DEF AT pyrite	DEF AT
15450 / 13231	POS AT Lower Pliocene (Zancian) Globorotalia margaritae	DEF AT
15480 / 13260	POS AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF AT
15508 / 13287	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 112	Date of Summary: 01-MAR-1998	First Sample Examined: 8821
Lease Number: G15545	Source of Paleo: OPERATOR	Borehole MD: 15509
Well Name: 002	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13288
API Well Number: 608114022401	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 8821 - 15508	Water Depth: 1757
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Angus Prospect, calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8821 / 8227	DEF AT first sample examined	DEF AT
8822 / 8228	DEF AT cement	DEF AT
9360 / 8661	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
10380 / 9343	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
10560 / 9457	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa B	DEF AT
10590 / 9476	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
10710 / 9551	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
11730 / 10215	DEF AT Lower Pleistocene (Calabrian) Lithostromation perdurum	DEF AT
12390 / 10650	DEF AT reworked material	DEF AT
12510 / 10730	DEF AT reworked material	DEF AT
12810 / 10928	DEF AT cement	DEF AT
13380 / 11320	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
13470 / 11388	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13471 / 11389	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
13919 / 11768	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus	DEF AT
13920 / 11769	DEF AT Upper Pliocene (Piacenzian) Cycloperfolithus carlae	DEF AT
14220 / 12047	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
14730 / 12537	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
14820 / 12624	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies (acme)	DEF AT
15360 / 13145	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
15420 / 13202	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
15508 / 13287	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> GC 155	<b>Date of Summary:</b> 14-JUL-1998	<b>First Sample Examined:</b> 16460
<b>Lease Number:</b> G16698	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 18442
<b>Well Name:</b> MA001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17819
<b>API Well Number:</b> 608114022800	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 74
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 16460 - 19890	<b>Water Depth:</b> 1939
<b>Public Info Code:</b> Y 03-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

**Remark:** Manatee Prospect, sidetrack report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16460 / 15837	DEF AT first sample examined	DEF AT
16550 / 15927	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
17330 / 16707	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17660 / 17037	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18320 / 17697	DEF AT - - - - -	DEF IN 4
18350 / 17727	DEF AT - - - - -	DEF AT 4
18860 /	DEF AT Arenaceous fauna (local marker)	POS AT 4
19340 /	DEF AT - - - - -	DEF AT 4
19890 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 8960
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 18442
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 17819
API Well Number: 608114022800	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 2 of 2	Sample Range: 3200 - 18442	Water Depth: 1939
Public Info Code: Y 03-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
8960 / 8601	DEF AT first sample examined	DEF	AT
8990 / 8628	POS IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF	AT
9340 / 8940	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT 4
10930 / 10367	POS IN Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF	AT 4
13509 / 12887	POS AT reworked material	DEF	AT 4
13510 / 12888	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF	AT 4
14020 / 13398	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF	AT 4
14290 / 13668	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF	AT 4
14320 / 13698	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	AT 4
16000 / 15377	POS AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF	AT 4
16269 / 15646	POS AT reworked material	DEF	AT 4
16270 / 15647	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF	AT 4
17319 / 16696	POS AT unconformity	DEF	AT 4
17320 / 16697	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT 4
17350 / 16727	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF	AT 4
17680 / 17057	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT 4
17770 / 17147	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT 4
18442 / 17819	DEF AT last sample examined	DEF	AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 155	Date of Summary: 21-JUN-2000	First Sample Examined: 16460
Lease Number: G16698	Source of Paleo: OPERATOR	Borehole MD: 19910
Well Name: MA001	Paleo Done By: OPERATOR	Borehole TVD: 19040
API Well Number: 608114022801	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 16460 - 19910	Water Depth: 1939
Public Info Code: Y 17-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Manatee Prospect, company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16460 / 15837	DEF AT first sample examined	DEF AT
16549 / 15926	POS AT reworked material	DEF AT
16550 / 15927	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT
17120 / 16496	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
17329 / 16703	POS AT unconformity	DEF AT 4
17330 / 16704	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
17359 / 16733	DEF AT reworked material	DEF AT 4
17360 / 16734	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
17390 / 16763	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 4
17660 / 17029	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
18140 / 17490	POS IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 4
18199 / 17546	DEF AT reworked material	DEF AT 4
18200 / 17547	POS AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19370 / 18588	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
19430 / 18639	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19519 / 18715	POS AT reworked material	DEF AT 4
19520 / 18715	POS IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
19910 / 19040	DEF AT last sample examined	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 158	Date of Summary: 01-APR-1989	First Sample Examined: 12990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 1 of 4	Sample Range: 5100 - 18000	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
12990 / 12408	DEF AT first sample examined	POS AT 4
13830 / 13149	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
14369 / 13623	POS AT reworked material	DEF AT 4
14370 / 13624	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 4
17500 / 16273	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
17860 / 16569	DEF IN Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 4
18000 / 16684	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 158	Date of Summary: 22-DEC-1997	First Sample Examined: 11990
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 2 of 4	Sample Range: 11990 - 19370	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Bruce Desselle

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 / 11533	DEF AT first sample examined	POS IN 2
12530 / 12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12590 / 12059	DEF AT -----	DEF AT 3
12620 / 12085	DEF AT -----	DEF IN 3
12660 / 12119	DEF AT -----	DEF AT 4
12710 / 12163	DEF AT -----	DEF AT 3
12770 / 12215	DEF AT -----	DEF IN 2
12800 / 12242	DEF AT -----	DEF AT 3
12950 / 12373	DEF AT -----	DEF IN 3
13010 / 12426	DEF AT -----	DEF AT 3
13340 / 12717	DEF AT -----	DEF IN 2
14180 / 13457	DEF AT -----	DEF AT 2
14750 / 13958	DEF AT -----	DEF IN 2
14780 / 13984	DEF AT -----	DEF IN 3
14840 / 14037	DEF AT -----	DEF AT 3
15020 / 14195	DEF AT -----	DEF IN 2
16040 / 15073	DEF AT local marker benthic foram increase	DEF AT 3
16190 / 15197	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
17540 / 16305	DEF AT -----	DEF AT 4
17570 / 16330	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
17690 / 16429	DEF AT -----	DEF IN 3
17900 / 16602	DEF AT -----	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 22-DEC-1997	<b>First Sample Examined:</b> 11990
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19406
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17824
<b>API Well Number:</b> 608115012300	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 2 of 4	<b>Sample Range:</b> 11990 - 19370	<b>Water Depth:</b> 2958
<b>Public Info Code:</b> Y 14-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18260 / 16898	DEF AT - - - - -	DEF IN 2
18380 / 16996	DEF AT - - - - -	DEF AT 2
18440 / 17045	DEF AT - - - - -	DEF IN 3
18470 / 17070	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 3
18680 / 17242	DEF AT local marker foram increase	DEF IN 3
19010 / 17512	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
19100 / 17584	DEF AT limestone	DEF IN 3
19190 / 17655	POS IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 4
19220 / 17679	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19280 / 17726	DEF AT pyrite	DEF AT 4
19340 / 17773	DEF AT - - - - -	DEF IN 3
19370 / 17796	DEF AT last sample examined	DEF IN 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 158	Date of Summary: 04-DEC-1998	First Sample Examined: 14720
Lease Number: G07998	Source of Paleo: OPERATOR	Borehole MD: 19406
Well Name: 001	Paleo Done By: BUGWARE, INC.	Borehole TVD: 17824
API Well Number: 608115012300	Drilling Operator: SHELL DEEPWATER DEVELOPMENT INC	Rkb Elevation: 84
Paleo Report Num: 3 of 4	Sample Range: 14720 - 19406	Water Depth: 2958
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14720 / 13932	DEF AT first sample examined	DEF AT
14840 / 14037	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
16040 / 15073	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
17450 / 16231	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
17570 / 16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
17660 / 16404	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
18830 / 17365	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
19190 / 17655	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
19191 / 17656	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
19250 / 17702	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
19280 / 17726	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
19340 / 17773	DEF AT salt	DEF AT
19370 / 17796	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
19371 / 17797	DEF AT Upper Pliocene (Piacenzian) Discoaster asymmetricus (increase)	DEF AT
19406 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> GC 158	<b>Date of Summary:</b> 07-JUN-1999	<b>First Sample Examined:</b> 11990
<b>Lease Number:</b> G07998	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 19406
<b>Well Name:</b> 001	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 17824
<b>API Well Number:</b> 608115012300	<b>Drilling Operator:</b> SHELL DEEPWATER DEVELOPMENT INC	<b>Rkb Elevation:</b> 84
<b>Paleo Report Num:</b> 4 of 4	<b>Sample Range:</b> 7010 - 19406	<b>Water Depth:</b> 2958
<b>Public Info Code:</b> Y 14-JAN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 003

**Remark:** Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11990 / 11533	DEF AT first sample examined	DEF AT
12530 / 12006	DEF IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 2
12620 / 12085	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 3
16040 / 15073	DEF IN Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 3
17450 / 16231	DEF IN Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT 3
17540 / 16305	POS IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
17570 / 16330	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT 4
17659 / 16403	POS AT reworked material	DEF AT 4
17660 / 16404	POS AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 4
18469 / 17069	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF IN 3
18470 / 17070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF IN 3
19010 / 17512	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 3
19190 / 17655	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
19219 / 17678	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 4
19220 / 17679	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT 4
19250 / 17702	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 4
19406 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 3400
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 9224
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 9221
API Well Number: 608114021400	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 3400 - 9130	Water Depth: 1965
Public Info Code: Y 27-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3400 / 3399	DEF AT first sample examined	DEF AT
3700 / 3698	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
5200 / 5198	DEF AT - - - - -	DEF AT 4
5260 / 5258	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 4
5440 / 5438	DEF AT - - - - -	DEF AT 2
5680 / 5678	DEF AT - - - - -	DEF AT 4
5770 / 5768	DEF AT sample gap top	POS AT 4
6520 / 6518	DEF AT sample gap bottom	DEF AT 5
8169 / 8167	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
8170 / 8168	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9130 / 9128	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5810 / 5808	DEF AT first sample examined	DEF AT
7990 / 7982	DEF AT - - - - -	DEF AT 5
8110 / 8102	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
8230 / 8222	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT 5
9580 / 9572	DEF AT - - - - -	POS AT 5
10030 / 10022	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS AT 5
10510 / 10502	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 5
11080 / 11072	DEF AT - - - - -	DEF AT 5
12550 / 12541	DEF AT - - - - -	DEF AT 2
13240 / 13206	DEF AT - - - - -	DEF AT 3
13660 / 13586	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13780 / 13693	DEF AT - - - - -	DEF AT 2
13840 / 13746	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 2
14110 / 13982	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 2
14260 / 14110	DEF AT - - - - -	DEF AT 5
14500 / 14313	DEF AT - - - - -	DEF AT 4
14920 / 14668	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
15160 / 14871	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 6
15460 / 15126	DEF AT - - - - -	DEF AT 5
15790 / 15406	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
16060 / 15634	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
17020 / 16466	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 5810
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 17616
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17000
API Well Number: 608114021401	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 5810 - 17616	Water Depth: 1965
Public Info Code: Y 12-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001
<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17616 / 17000	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 14910
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15552
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15226
API Well Number: 608114021402	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 14910 - 15540	Water Depth: 1965
Public Info Code: Y 18-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: No diagnostic foram markers noted

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14910 / 14660	DEF AT first sample examined	DEF AT 5
15540 / 15216	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11870
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15715
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15179
API Well Number: 608114021403	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11870 - 15760	Water Depth: 1965
Public Info Code: Y 27-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11870 / 11862	DEF AT first sample examined	DEF AT 2
12170 / 12162	DEF AT -----	DEF AT 4
12290 / 12281	DEF AT -----	DEF AT 5
12950 / 12925	DEF AT -----	DEF AT 1
13190 / 13150	DEF AT -----	DEF AT 2
13459 / 13392	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 6
13460 / 13393	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 6
13550 / 13470	DEF AT -----	DEF AT 5
13610 / 13521	DEF AT -----	DEF AT 2
13910 / 13759	DEF AT -----	DEF AT 4
14240 / 14013	DEF AT -----	DEF AT 5
14600 / 14291	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14720 / 14385	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14780 / 14432	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
14840 / 14479	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
14930 / 14549	DEF AT -----	DEF AT 5
15050 / 14644	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 5
15760 /	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 236	Date of Summary: 23-JUL-1998	First Sample Examined: 11800
Lease Number: G15562	Source of Paleo: OPERATOR	Borehole MD: 15307
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15298
API Well Number: 608114021404	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 11800 - 15260	Water Depth: 1965
Public Info Code: Y 05-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11800 / 11792	DEF AT first sample examined	DEF AT
13310 / 13302	DEF AT - - - - -	DEF AT 4
13460 / 13452	DEF AT - - - - -	DEF AT 6
13520 / 13512	DEF AT - - - - -	DEF AT 2
13580 / 13572	DEF AT - - - - -	DEF AT 1
13880 / 13871	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
13910 / 13901	DEF IN Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT 5
14360 / 14351	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
14450 / 14441	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT 5
14749 / 14740	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT 5
14750 / 14741	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
15050 / 15041	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 5
15260 / 15251	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 313	Date of Summary: 16-NOV-2007	First Sample Examined: 4600
Lease Number: G18364	Source of Paleo: OPERATOR	Borehole MD: 10000
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10000
API Well Number: 608114049800	Drilling Operator: REPSOL E&P USA INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 4600 - 10000	Water Depth: 2747
Public Info Code: Y 19-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4600 / 4600	DEF AT first sample examined	DEF AT 5
4601 / 4601	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF AT 5
5470 / 5470	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT 5
5740 / 5740	POS IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
6160 / 6160	DEF AT - - - - -	DEF IN 5
6250 / 6250	DEF AT sample gap top	POS IN 5
6310 / 6310	DEF AT sample gap bottom	DEF AT 5
6760 / 6760	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9400 / 9400	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 5
10000 / 10000	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 7186
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 19525
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18703
API Well Number: 608115012401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 7186 - 19525	Water Depth: 4409
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, 14145=undifferentiated Pliocene, may still be in salt, 14175-15100=mixed Plio-Pleistocene fauna and flora

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7186 / 7186	DEF AT first sample examined	DEF AT
7187 / 7187	DEF AT cement	DEF AT
7320 / 7320	DEF AT salt	DEF AT
14144 / 14117	POS AT base of salt	DEF AT
14145 / 14118	POS IN Pliocene	DEF AT
14175 / 14147	DEF IN out-of-place section	DEF AT
14205 / 14177	DEF AT - - - -	POS IN 4
15100 / 15054	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS IN 4
15115 / 15068	DEF AT - - - -	DEF IN 4
15415 / 15349	DEF AT - - - -	POS IN 4
16270 / 16096	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	POS IN 4
16360 / 16171	DEF AT - - - -	POS IN 4
16480 / 16271	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS IN 4
16525 / 16308	POS AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS IN 4
16690 / 16442	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	POS IN 4
17100 / 16769	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	POS IN 4
17400 / 17006	POS AT Middle Miocene (Serravallian) Discoaster kugleri	POS IN 4
18650 / 18000	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	POS IN 4
19100 / 18365	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	POS IN 4
19290 / 18516	DEF AT Upper Oligocene (Chattian) Globigerina sellii	POS IN 4
19379 / 18586	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined:	7186
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD:	19525
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD:	18703
API Well Number: 608115012401	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation:	86
Paleo Report Num: 1 of 1	Sample Range: 7186 - 19525	Water Depth:	4409
Public Info Code: Y 22-MAY-2008	Ecozone Eq MMS: Y	Paleo ID:	001
<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
19380 / 18587	DEF AT last sample examined	POS IN	4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 700	Date of Summary: 13-JAN-1999	First Sample Examined: 18170
Lease Number: G15604	Source of Paleo: OPERATOR	Borehole MD: 20097
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 18930
API Well Number: 608115012402	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 18170 - 20015	Water Depth: 4409
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
18170 / 17617	DEF AT first sample examined	DEF AT
18695 / 18017	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
19235 / 18384	POS AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
19400 / 18488	POS AT Upper Oligocene (Chattian) Globigerina sellii	POS IN 4
19475 / 18536	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	POS IN 4
20015 / 18881	DEF AT last sample examined	DEF IN 4

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 7560	DEF AT first sample examined	DEF AT
7561 / 7561	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
7800 / 7800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa (acme)	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8760 / 8760	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
9000 / 9000	DEF IN Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9120 / 9120	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9240 / 9240	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10080 / 10079	DEF AT salt	DEF AT
11519 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 7560
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 11519
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11518
API Well Number: 608114030500	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 7560 - 11519	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7560 / 7560	DEF AT first sample examined	DEF IN 4
7561 / 7561	DEF IN Pleistocene	DEF IN 4
7680 / 7680	POS IN Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
7800 / 7800	POS AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF IN 4
8520 / 8520	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 5
8750 / 8750	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9000 / 9000	DEF AT - - - - -	DEF IN 4
9120 / 9120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 4
9359 / 9359	POS AT gouge	DEF IN 4
9360 / 9360	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 4
9703 / 9703	DEF AT - - - - -	DEF AT 4
10080 / 10079	DEF AT salt	DEF AT
11400 /	DEF IN salt	DEF AT
11519 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23872
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22938
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

**Remark:** Calcareous nannofossil report, 15900=Helicosphaera rhomba (low), nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 / 15238	DEF AT first sample examined	DEF AT
15241 / 15239	DEF AT base of salt	DEF AT
15242 / 15240	DEF AT out-of-place section	DEF AT
15330 / 15328	POS AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
15480 / 15477	DEF AT sample gap top	DEF AT
15629 / 15626	DEF AT sample gap bottom	DEF AT
15630 / 15627	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
15870 / 15867	DEF AT Lower Pliocene (Zanclian) Dictyococcites antarcticus	DEF AT
15900 / 15897	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
16080 / 16077	DEF AT reworked material	DEF AT
16350 / 16347	DEF IN Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
17130 / 17126	DEF AT reworked material	DEF AT
17160 / 17156	DEF AT local marker floral increase	DEF AT
17310 / 17306	DEF AT reworked material	DEF AT
17370 / 17365	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
18050 / 18022	DEF AT reworked material	DEF AT
18140 / 18106	DEF AT reworked material	DEF AT
18290 / 18245	DEF AT local marker floral increase	DEF AT
19010 / 18872	DEF AT reworked material	DEF AT
19040 / 18897	DEF AT reworked material	DEF AT
19100 / 18948	DEF AT reworked material	DEF AT
19130 / 18974	DEF AT reworked material	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-DEC-2001	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23872
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22938
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 15240 - 23862	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19190 / 19024	DEF AT reworked material	DEF AT
19580 / 19350	DEF AT reworked material	DEF AT
19640 / 19400	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
19760 / 19499	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20000 / 19697	DEF AT local marker floral increase	DEF AT
20330 / 19967	DEF AT reworked material	DEF AT
20480 / 20091	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
20960 / 20485	DEF AT local marker floral increase	DEF AT
21890 / 21252	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
22610 / 21853	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
22820 / 22032	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22910 / 22110	DEF IN Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
22970 / 22161	POS IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
23449 / 22571	POS AT reworked material	DEF AT
23450 / 22572	POS IN Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
23862 / 22928	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23872
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22938
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15240 / 15238	DEF AT first sample examined	DEF IN 4
15241 / 15239	POS AT base of salt	DEF IN 4
15242 / 15240	DEF AT reworked material	DEF IN 4
15420 / 15417	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
15480 / 15477	DEF AT sample gap top	DEF AT
15630 / 15627	DEF AT sample gap bottom	DEF AT
15780 / 15777	DEF AT local marker foram increase	DEF AT 5
15810 / 15807	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
15870 / 15867	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
16050 / 16047	DEF AT pyrite	DEF AT 5
16080 / 16077	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
16350 / 16347	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
16530 / 16527	DEF AT local marker foram decrease	DEF AT 4
16710 / 16706	DEF AT - - - - -	DEF IN 4
17280 / 17276	DEF AT - - - - -	DEF AT 4
17480 / 17474	DEF AT - - - - -	DEF AT 0
18080 / 18050	DEF AT - - - - -	DEF AT 4
18260 / 18218	DEF AT - - - - -	DEF IN 4
18380 / 18327	DEF AT - - - - -	DEF AT 4
18560 / 18488	DEF AT - - - - -	DEF AT 0
18980 / 18846	DEF AT - - - - -	DEF IN 4
19040 / 18897	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23872
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22938
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19220 / 19050	DEF AT - - - - -	DEF AT 0
19340 / 19150	DEF AT - - - - -	DEF IN 4
19490 / 19275	POS AT local marker foram increase	DEF IN 4
19580 / 19350	DEF AT local marker foram increase	DEF IN 4
19760 / 19499	DEF AT local marker foram increase	DEF IN 4
20090 / 19771	DEF AT Arenaceous fauna (local marker)	DEF AT 4
20570 / 20165	DEF AT - - - - -	DEF AT 0
20810 / 20362	DEF AT - - - - -	DEF IN 4
20870 / 20411	DEF AT pyrite	DEF IN 4
20990 / 20510	DEF AT Arenaceous fauna (local marker)	DEF IN 4
21020 / 20535	DEF AT local marker foram increase	DEF AT 5
21170 / 20658	DEF AT - - - - -	DEF AT 4
21410 / 20856	DEF AT Arenaceous fauna (local marker)	DEF AT 4
21470 / 20905	DEF AT - - - - -	DEF IN 4
21590 / 21004	DEF AT - - - - -	POS AT 4
21770 / 21153	DEF AT - - - - -	DEF IN 4
21860 / 21227	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
21890 / 21252	POS IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
21950 / 21302	DEF AT - - - - -	DEF IN 4
22370 / 21650	DEF AT - - - - -	DEF AT 4
22610 / 21853	DEF AT - - - - -	DEF IN 4
23030 / 22212	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF IN 4
23090 / 22264	DEF AT - - - - -	DEF AT 4
23450 / 22572	DEF AT Arenaceous fauna (local marker)	DEF IN 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 15240
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 23872
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22938
API Well Number: 608114030501	Drilling Operator: CONOCO INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 15240 - 23869	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
23690 / 22779	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
23720 / 22805	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
23750 / 22831	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23825 / 22896	DEF AT Arenaceous fauna (local marker)	DEF AT 4
23869 /	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 23870
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 28645
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26997
API Well Number: 608114030502	Drilling Operator: CONOCO INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 23870 - 28630	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
23870 / 22930	DEF AT first sample examined	DEF AT 4
23930 / 22980	POS AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 4
23980 / 23022	DEF AT Arenaceous fauna (local marker)	DEF AT 4
24580 / 23521	POS IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
25120 / 23986	DEF AT local marker foram increase	DEF IN 4
25180 / 24039	DEF AT local marker foram increase	DEF IN 4
25210 / 24065	DEF AT - - - - -	DEF AT 4
25720 / 24514	DEF AT Arenaceous fauna (local marker)	DEF AT 4
25810 / 24593	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
26050 / 24807	DEF AT reworked material	DEF AT 4
26230 / 24969	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
26349 / 25076	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26350 / 25077	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
26410 / 25130	DEF AT local marker foram increase	DEF AT 4
26589 / 25291	DEF AT Arenaceous fauna (local marker)	DEF AT 4
26590 / 25292	DEF AT local marker planktic foram increase	DEF AT 4
27550 / 26152	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 4
27639 / 26233	DEF AT condensed section	DEF AT 4
27640 / 26234	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
27790 / 26371	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
27940 / 26508	DEF AT local marker planktic foram increase	DEF IN 4
28120 / 26674	DEF AT - - - - -	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 730	Date of Summary: 01-MAR-2002	First Sample Examined: 23870
Lease Number: G20088	Source of Paleo: OPERATOR	Borehole MD: 28645
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 26997
API Well Number: 608114030502	Drilling Operator: CONOCO INC	Rkb Elevation: 76
Paleo Report Num: 1 of 1	Sample Range: 23870 - 28630	Water Depth: 4461
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
28330 / 26870	DEF AT local marker foram increase	DEF AT 4
28390 / 26926	DEF AT local marker foram increase	DEF AT 4
28630 / 27153	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 826	Date of Summary: 25-JUN-1998	First Sample Examined: 9120
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 19010
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17584
API Well Number: 608115012800	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9120 - 18960	Water Depth: 6560
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Company-integrated foram and nanno report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
9120 / 9120	DEF AT first sample examined	POS	IN	4
9300 / 9300	DEF AT - - - - -	DEF	AT	4
9660 / 9660	DEF AT transported outer shelf facies	POS	AT	4
9780 / 9780	DEF AT - - - - -	DEF	AT	4
9990 / 9990	DEF AT transported outer shelf facies	POS	AT	4
10080 / 10080	DEF AT - - - - -	DEF	AT	4
10500 / 10500	DEF AT - - - - -	POS	AT	4
11460 / 11460	POS AT Lower Pleistocene (Calabrian) Helicosphaera sellii	POS	AT	4
11520 / 11520	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	POS	AT	4
12300 / 12277	DEF AT - - - - -	DEF	AT	4
12390 / 12359	DEF AT - - - - -	POS	AT	4
12450 / 12414	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
12900 / 12797	DEF AT - - - - -	POS	AT	4
12990 / 12869	DEF AT - - - - -	DEF	AT	4
13020 / 12893	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF	AT	4
13380 / 13167	DEF AT sample gap top	POS	AT	4
13440 / 13212	DEF AT sample gap bottom	POS	AT	4
16110 / 15304	DEF AT - - - - -	DEF	AT	4
16290 / 15447	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF	AT	4
16320 / 15471	DEF AT - - - - -	DEF	IN	4
16500 / 15612	DEF AT - - - - -	POS	IN	4
16620 / 15706	DEF AT - - - - -	DEF	IN	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 826	Date of Summary: 25-JUN-1998	First Sample Examined: 9120
Lease Number: G09982	Source of Paleo: OPERATOR	Borehole MD: 19010
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17584
API Well Number: 608115012800	Drilling Operator: AMOCO CORPORATION	Rkb Elevation: 46
Paleo Report Num: 1 of 1	Sample Range: 9120 - 18960	Water Depth: 6560
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16650 / 15729	DEF AT -----	POS IN 4
16710 / 15776	DEF AT -----	DEF IN 4
16740 / 15799	DEF AT -----	DEF AT 4
16830 / 15869	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 4
16980 / 15986	DEF AT -----	POS AT 4
17430 / 16336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	POS AT 4
17760 / 16592	DEF AT -----	DEF AT 4
17820 / 16638	DEF AT -----	POS AT 4
17910 / 16708	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	POS AT 4
17970 / 16755	DEF AT -----	DEF AT 4
18150 / 16894	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	POS AT 4
18240 / 16963	DEF AT -----	DEF AT 4
18270 / 16986	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
18271 / 16987	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 4
18450 / 17126	DEF AT -----	POS AT 4
18780 / 17393	DEF AT -----	DEF AT 4
18930 / 17517	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 953	Date of Summary: 02-JAN-2008	First Sample Examined: 18060
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 18060 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Calcareous nannofossil report, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18060 / 18059	DEF AT first sample examined	DEF AT
18061 / 18060	DEF IN gouge	DEF AT
18239 / 18238	DEF AT reworked material	DEF AT
18240 / 18239	POS IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
18600 / 18599	DEF IN Lower Pliocene (Zancian) Amaurolithus tricorniculatus	DEF AT
19079 / 19078	DEF AT reworked material	DEF AT
19080 / 19079	DEF AT local marker floral increase	DEF AT
19440 / 19439	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
19740 / 19739	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
20310 / 20309	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
20610 / 20609	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
21060 / 21059	DEF AT reworked material	DEF AT
21116 / 21115	DEF AT unconformity	DEF AT
21117 / 21116	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
21118 / 21117	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
21119 / 21118	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
21120 / 21119	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
21150 / 21149	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
21179 / 21178	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
21180 / 21179	DEF AT Lower Miocene (Burdigalian) Reticulofenestra gartneri	DEF AT
21840 / 21839	DEF AT Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
22110 / 22109	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: GC 953	Date of Summary: 02-JAN-2008	First Sample Examined: 18060
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 1 of 2	Sample Range: 18060 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22260 / 22259	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
22277 / 22276	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 953	Date of Summary: 01-MAR-2008	First Sample Examined: 18313
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18313 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
18313 / 18312	DEF AT first sample examined	POS	AT	5
18360 / 18359	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	5
18420 / 18419	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF	AT	5
18720 / 18719	DEF AT local marker foram decrease	DEF	AT	5
19620 / 19619	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF	AT	6
19830 / 19829	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF	IN	6
19950 / 19949	DEF AT - - - - -	DEF	AT	6
20069 / 20068	DEF AT Upper Miocene (Tortonian) Cibicides trincherasensis	DEF	AT	6
20070 / 20069	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF	AT	6
20130 / 20129	DEF AT - - - - -	DEF	AT	5
20310 / 20309	DEF AT - - - - -	DEF	AT	4
20430 / 20429	DEF AT transported outer shelf facies	DEF	AT	4
20549 / 20548	DEF AT Bathysiphon fauna	DEF	AT	5
20550 / 20549	DEF AT Arenaceous fauna (local marker)	DEF	AT	5
20730 / 20729	DEF AT - - - - -	DEF	AT	4
20910 / 20909	DEF AT - - - - -	DEF	AT	5
20970 / 20969	DEF AT limestone	DEF	AT	5
21029 / 21028	DEF AT unconformity	DEF	AT	5
21030 / 21029	DEF AT radiolarians	DEF	AT	5
21069 / 21068	POS AT out-of-place section	DEF	AT	5
21390 / 21389	POS AT Upper Oligocene (Chattian) Globigerina sellii	DEF	AT	5
21479 / 21478	DEF AT Arenaceous fauna (local marker)	DEF	AT	5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GC 953	Date of Summary: 01-MAR-2008	First Sample Examined: 18313
Lease Number: G20113	Source of Paleo: OPERATOR	Borehole MD: 22277
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 22277
API Well Number: 608114050000	Drilling Operator: BHP BILLITON PETROLEUM (GOM) INC	Rkb Elevation: 79
Paleo Report Num: 2 of 2	Sample Range: 18313 - 22277	Water Depth: 4811
Public Info Code: Y 04-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21480 / 21479	POS IN Lower Miocene (Aquitanian) Globigerinoides primordius	DEF AT 5
21720 / 21719	DEF AT - - - - -	DEF AT 4
22110 / 22109	DEF AT - - - - -	DEF AT 5
22198 / 22197	POS AT condensed section	DEF AT 5
22199 / 22198	DEF AT Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
22200 / 22199	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
22277 / 22276	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23074
API Well Number: 177184010800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3970 / 3969	DEF AT first sample examined	DEF AT 6
4090 / 4089	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 6
7140 / 7049	POS AT salt	DEF AT 6
14249 / 12839	POS AT base of salt	DEF AT 6
14250 / 12840	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14400 / 12967	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 6
14430 / 12992	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
14970 / 13458	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15690 / 14091	DEF IN Upper Miocene (Messinian) Globorotalia juanai	DEF AT 6
16110 / 14461	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 6
17070 / 15311	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 6
17520 / 15712	DEF IN Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 6
18780 / 16832	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 6
19350 / 17342	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 6
19530 / 17507	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 6
20220 / 18144	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 6
20669 / 18556	POS AT reworked material	DEF AT 6
20670 / 18557	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT 6
21540 / 19318	POS AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT 6
21600 / 19368	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 6
21780 / 19516	DEF AT local marker floral increase	DEF AT 6
22230 / 19875	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (consistent)	DEF AT 6

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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: GI 106	Date of Summary: 20-JAN-2006	First Sample Examined: 3970
Lease Number: G24997	Source of Paleo: OPERATOR	Borehole MD: 25860
Well Name: 001	Paleo Done By: MICRO-STRAT	Borehole TVD: 23074
API Well Number: 177184010800	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 3970 - 25860	Water Depth: 347
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

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<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22320 / 19944	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 6
23550 / 20920	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT 6
23940 / 21263	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 6
24120 / 21426	DEF AT local marker floral increase	DEF AT 6
24270 / 21563	POS AT Middle Miocene (Serravallian) Calcidiscus premacintyre	DEF AT 6
24750 / 22014	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT 6
25860 / 23073	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: HI 84	Date of Summary: 28-SEP-2001	First Sample Examined: 4500
Lease Number: G18948	Source of Paleo: OPERATOR	Borehole MD: 13900
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13899
API Well Number: 427104014300	Drilling Operator: WESTPORT RESOURCES CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 4500 - 13900	Water Depth: 48
Public Info Code: Y 19-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4500 / 4500	DEF AT first sample examined	DEF AT 2
4501 / 4501	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 2
5250 / 5250	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 2
5710 / 5710	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 2
6290 / 6290	POS AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
6560 / 6560	DEF AT - - - - -	DEF AT 3
6770 / 6770	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
7130 / 7130	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
8370 / 8370	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 3
9570 / 9570	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
10950 / 10950	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
13900 / 13899	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 129	Date of Summary: 12-MAR-1998	First Sample Examined: 0
Lease Number: G01848	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13990
Well Name: 014	Paleo Done By: OPERATOR	Borehole TVD: 13985
API Well Number: 427104012800	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 48
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5520 / 5519	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6780 / 6779	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
7500 / 7499	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT
7830 / 7829	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
9330 / 9329	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
10080 / 10079	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 / 12099	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT
13450 / 13446	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF AT



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 30-DEC-1999	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13493
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13484
API Well Number: 427084049900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 1 of 2	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7716 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8425 / 8425	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
12100 / 12096	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 15-JAN-2002	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13493
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13484
API Well Number: 427084049900	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 85
Paleo Report Num: 2 of 2	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10990 / 10989	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11315 / 11314	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
12100 / 12096	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 26-JUN-2000	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15749
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 14766
API Well Number: 427084050600	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 40
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7876 / 7716	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8598 / 8341	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10944 / 10427	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
13171 / 12304	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 15-MAY-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14672
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 13322
API Well Number: 427084051500	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7811 / 7810	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT
8442 / 8441	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
10426 / 10354	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
12380 / 11727	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 12-FEB-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13730
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13305
API Well Number: 427084052700	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12064 / 11643	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 26-MAR-2001	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14300
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 13206
API Well Number: 427084053101	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 42
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9902 / 9900	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT
11802 / 11626	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI 202	Date of Summary: 28-SEP-2000	First Sample Examined: 0
Lease Number: G14870	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8235
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 6400
API Well Number: 427084051400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 65
Public Info Code: Y 03-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7435 / 5798	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI A 7	Date of Summary: 17-SEP-1998	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11110
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 11006
API Well Number: 427084047600	Drilling Operator: PERENCO INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 62
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

MD / TVD	Paleo Top Description	Ecozone
5105 / 5007	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
6825 / 6722	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8927 / 8824	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI A 7	Date of Summary: 29-NOV-2000	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15242
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 13997
API Well Number: 427084052100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12695 / 11915	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI A 7	Date of Summary: 05-JUL-2001	First Sample Examined: 0
Lease Number: G15781	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 16580
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 15071
API Well Number: 427084053300	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 93
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 04-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11825 / 11823	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT
13556 / 13384	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> HI A 382	<b>Date of Summary:</b> 19-AUG-1998	<b>First Sample Examined:</b> 3540
<b>Lease Number:</b> G02393	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12038
<b>Well Name:</b> F016	<b>Paleo Done By:</b> GEORGE J. CONSTANCE, JR.	<b>Borehole TVD:</b> 5806
<b>API Well Number:</b> 427114066805	<b>Drilling Operator:</b> MOBIL PRODUCING TEXAS & NEW ME	<b>Rkb Elevation:</b> 112
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 3540 - 11970	<b>Water Depth:</b> 342
<b>Public Info Code:</b> Y 24-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3540 / 2705	DEF AT first sample examined	DEF AT
3989 / 2821	DEF AT reworked material	DEF AT
3990 / 2821	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT
5250 / 3123	DEF AT local marker foram increase	DEF AT
8460 / 3848	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF IN 3
8850 / 3967	DEF AT local marker foram increase	DEF IN 3
8910 / 3988	DEF AT faunal change (no faunal increase)	DEF AT 2
8970 / 4008	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
10140 / 4559	POS AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT 2
11970 / 5758	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI A 382	Date of Summary: 03-APR-1998	First Sample Examined: 5747
Lease Number: G02393	Source of Paleo: OPERATOR	Borehole MD: 8740
Well Name: F023	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 7886
API Well Number: 427114069302	Drilling Operator: MOBIL PRODUCING TEXAS & NEW ME	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 5747 - 8740	Water Depth: 347
Public Info Code: Y 03-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5747 / 5101	DEF AT first sample examined	DEF AT 2
5790 / 5133	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 2
5940 / 5246	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 3
6210 / 5466	DEF AT local marker foram increase	DEF AT 3
6570 / 5778	DEF AT local marker foram increase	DEF AT 3
6930 / 6102	DEF AT local marker foram increase	DEF AT 3
8740 / 7886	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: HI A 415	Date of Summary: 13-APR-1998	First Sample Examined: 0
Lease Number: G15793	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8204
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 7751
API Well Number: 427094104300	Drilling Operator: TANA OIL AND GAS CORPORATION	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 147
Public Info Code: Y 25-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7104	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3660 / 3660	DEF AT first sample examined	DEF AT 4
3690 / 3690	DEF IN Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
4260 / 4260	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
4290 / 4290	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
4350 / 4350	DEF AT faunal change (no faunal increase)	DEF AT 5
4440 / 4440	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
4650 / 4650	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF AT 5
4860 / 4860	DEF AT Upper Pliocene (Piacenzian) Valvulina "H" / Alvarezina sinuata	DEF AT 5
5039 / 5039	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
5040 / 5040	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
5399 / 5399	POS AT out-of-place section	DEF AT 5
5400 / 5400	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
7200 / 7168	POS AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
7800 / 7708	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
7959 / 7849	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 29	Date of Summary: 24-MAR-1998	First Sample Examined: 3660
Lease Number: G13997	Source of Paleo: OPERATOR	Borehole MD: 7959
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7848
API Well Number: 608174060300	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 2 of 2	Sample Range: 3660 - 7959	Water Depth: 2266
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3660 / 3660	DEF AT first sample examined	DEF AT
3780 / 3780	POS IN Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
4258 / 4258	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
4259 / 4259	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
4260 / 4260	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
4350 / 4350	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
4500 / 4500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
4680 / 4680	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
4950 / 4950	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7530 / 7467	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7959 / 7849	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 400	Date of Summary: 05-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: 7620=probably displaced by salt movement, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2640 / 2640	DEF AT first sample examined	DEF AT 4
3270 / 3269	DEF AT faunal change (no faunal increase)	DEF IN 4
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF IN 4
4140 / 4114	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
4440 / 4392	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
6120 / 5972	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Bolivina imperata / "P"	DEF IN 5
6720 / 6537	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
7620 / 7383	POS IN Lower Pliocene (Zanclean) Globigerinoides mitra	DEF IN 4
7740 / 7496	DEF AT drilling material	DEF IN 4
7741 / 7497	DEF AT salt	DEF IN 4
8220 /	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 400	Date of Summary: 06-FEB-2002	First Sample Examined: 2640
Lease Number: G21755	Source of Paleo: OPERATOR	Borehole MD: 8207
Well Name: SS001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7933
API Well Number: 608174096100	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 2640 - 8220	Water Depth: 1139
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2640 / 2640	DEF AT first sample examined	DEF AT
3390 / 3388	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
4260 / 4225	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
4560 / 4503	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
4710 / 4643	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5400 / 5294	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
5910 / 5775	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6120 / 5972	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6330 / 6170	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7050 / 6848	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7590 / 7355	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
7650 / 7411	DEF AT salt	DEF AT
8220 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 489	Date of Summary: 22-FEB-2008	First Sample Examined: 9990
Lease Number: G21762	Source of Paleo: OPERATOR	Borehole MD: 15719
Well Name: 006	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13974
API Well Number: 608174113500	Drilling Operator: LLOG EXPLORATION OFFSHORE INC	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 9990 - 15179	Water Depth: 2160
Public Info Code: Y 29-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9990 / 9970	DEF AT first sample examined	DEF AT 5
9991 / 9971	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 5
10140 / 10111	POS AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
10230 / 10194	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 5
13259 / 12336	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 5
13260 / 12336	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
14518 / 13159	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT 5
14519 / 13160	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 5
14520 / 13160	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
14550 / 13180	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
14790 / 13338	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 5
14940 / 13438	POS AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
15179 / 13599	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5065 / 5064	DEF AT first sample examined	DEF AT 5
5125 / 5124	DEF AT - - - - -	DEF IN 5
5190 / 5189	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 5
5340 / 5339	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 5
5730 / 5729	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF IN 5
5760 / 5759	DEF AT - - - - -	DEF AT 5
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 5
6540 / 6538	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF IN 5
6630 / 6628	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
6660 / 6658	DEF AT Upper Pliocene (Piacenzian) Ceratobulimina pacifica	DEF IN 5
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
6870 / 6868	DEF AT - - - - -	DEF AT 5
6900 / 6898	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
8640 / 8636	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
9180 / 9175	DEF AT - - - - -	DEF AT 5
9360 / 9355	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9420 / 9415	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9510 / 9505	DEF AT - - - - -	DEF AT 6
9540 / 9535	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
9900 / 9895	DEF AT - - - - -	DEF AT 5
10620 / 10615	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10740 / 10735	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10980 / 10975	DEF AT - - - - -	DEF AT 5
11400 / 11395	DEF AT - - - - -	DEF AT 6
13439 / 13431	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 6
13950 / 13942	POS AT - - - - -	DEF AT 5
14700 / 14690	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 493	Date of Summary: 26-AUG-2003	First Sample Examined: 5065
Lease Number: G21763	Source of Paleo: OPERATOR	Borehole MD: 14700
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14689
API Well Number: 608174101700	Drilling Operator: MURPHY EXPLORATION & PRODUCTION COMPANY - I	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 5065 - 14700	Water Depth: 1894
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5065 / 5064	DEF AT first sample examined	DEF AT
5370 / 5369	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5460 / 5459	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
6330 / 6328	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6360 / 6358	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
6540 / 6538	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6600 / 6598	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
6660 / 6658	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6720 / 6718	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7020 / 7018	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
7170 / 7168	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
8540 / 8536	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
9450 / 9445	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
9480 / 9475	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
9900 / 9895	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10800 / 10795	POS AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
11430 / 11425	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT
12150 / 12144	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
12750 / 12743	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
13500 / 13492	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
14700 / 14690	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 687	Date of Summary: 18-JUN-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRAPHIC SERVICES, INC.	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
13220 / 13219	DEF AT first sample examined	POS	AT	4
13250 / 13249	DEF AT faunal change (no faunal increase)	DEF	AT	4
13370 / 13369	DEF AT faunal change (no faunal increase)	DEF	IN	3
13430 / 13429	DEF AT Lower Pliocene (Zancian) Globigerina druryi / nepenthes "B"	DEF	IN	3
13520 / 13518	DEF AT Lower Pliocene (Zancian) Globigerina nepenthes	DEF	IN	3
13610 / 13607	DEF AT local marker foram increase	DEF	AT	4
13910 / 13898	DEF AT faunal change (no faunal increase)	DEF	IN	3
14090 / 14067	DEF AT faunal change (no faunal increase)	DEF	AT	4
14180 / 14149	DEF AT faunal change (no faunal increase)	DEF	IN	3
14300 / 14256	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	4
14390 / 14334	DEF AT faunal change (no faunal increase)	DEF	IN	3
14450 / 14384	DEF AT Arenaceous fauna (local marker)	DEF	IN	3
14540 / 14457	DEF AT faunal change (no faunal increase)	DEF	AT	4
14630 / 14527	DEF AT faunal change (no faunal increase)	POS	AT	4
14780 / 14641	DEF AT faunal change (no faunal increase)	DEF	IN	3
14810 / 14663	POS AT local marker foram increase	DEF	IN	3
14870 / 14708	DEF AT faunal change (no faunal increase)	DEF	AT	4
15140 / 14908	DEF AT faunal change (no faunal increase)	DEF	IN	3
15320 / 15042	DEF AT sample gap top	POS	IN	3
15331 / 15050	DEF AT sample gap bottom	DEF	AT	3
15480 / 15162	DEF AT faunal change (no faunal increase)	POS	AT	4
16260 / 15770	DEF AT local marker foram increase	DEF	AT	4

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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MC 687	Date of Summary: 18-JUN-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

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<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19170 / 18000	DEF AT faunal change (no faunal increase)	DEF IN 3
19200 / 18023	DEF AT faunal change (no faunal increase)	DEF AT 4
19410 / 18183	DEF AT faunal change (no faunal increase)	DEF AT 4
19680 / 18393	DEF AT local marker foram increase	DEF AT 4
19681 / 18394	POS AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
19770 / 18466	DEF AT local marker foram increase	DEF AT 4
20250 / 18846	DEF AT sample gap top	POS AT 4
20400 / 18963	DEF AT sample gap bottom	DEF AT 4
20573 / 19100	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 687	Date of Summary: 28-OCT-1998	First Sample Examined: 13130
Lease Number: G05863	Source of Paleo: OPERATOR	Borehole MD: 20574
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 19101
API Well Number: 608174054000	Drilling Operator: SHELL DEEPWATER PRODUCTION INC	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 13130 - 20573	Water Depth: 5292
Public Info Code: Y 15-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13130 / 13129	DEF AT first sample examined	POS IN 3
14210 / 14176	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF IN 3
14211 / 14177	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF IN 3
14300 / 14256	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
15899 / 15486	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT 4
15900 / 15487	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
15930 / 15511	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT 4
15931 / 15512	DEF IN Upper Miocene (Tortonian) Discorbis 12	DEF AT 4
17160 / 16468	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 4
17161 / 16468	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
18780 / 17703	DEF IN Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 4
19740 / 18442	POS AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT 4
19741 / 18443	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
20573 / 19100	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10971
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 4070 - 10986	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 4070	DEF AT first sample examined	DEF AT 4
5900 / 5900	DEF AT sample gap top	POS AT 4
6350 / 6350	DEF AT sample gap bottom	DEF IN 4
7130 / 7130	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF IN 4
8450 / 8450	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF IN 4
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
10039 / 10039	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 4
10040 / 10040	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 4
10130 / 10130	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 4
10340 / 10339	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 4
10986 / 10985	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 751	Date of Summary: 15-JAN-2003	First Sample Examined: 4070
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 10986
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10971
API Well Number: 608174100400	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 4070 - 10986	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4070 / 4070	DEF AT first sample examined	DEF AT
5900 / 5900	DEF AT sample gap top	DEF AT
6350 / 6350	DEF AT sample gap bottom	DEF AT
7910 / 7910	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8420 / 8420	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
8960 / 8960	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9590 / 9590	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
10130 / 10130	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10250 / 10250	DEF AT Lower Pliocene (Zanclean) Reticulofenestra pseudumbilica	DEF AT
10985 / 10984	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 751	Date of Summary: 22-JAN-2003	First Sample Examined: 10820
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 14288
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14256
API Well Number: 608174100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10820 - 14288	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 / 10805	DEF AT first sample examined	DEF IN 4
11960 / 11936	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
12140 / 12113	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
12650 / 12619	DEF AT faunal change (no faunal increase)	DEF IN 4
14288 / 14256	DEF AT last sample examined	DEF IN 4

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MC 751	Date of Summary: 23-JAN-2003	First Sample Examined: 10820
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 14288
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14256
API Well Number: 608174100401	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 10820 - 14288	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

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**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10820 / 10805	DEF AT first sample examined	DEF AT
11510 / 11492	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
11990 / 11965	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12140 / 12113	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
14060 / 14028	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
14288 / 14256	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MC 751	Date of Summary: 13-FEB-2003	First Sample Examined: 10530
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 13313
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13001
API Well Number: 608174100402	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 1 of 2	Sample Range: 10530 - 13313	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 / 10515	DEF AT first sample examined	DEF IN 4
11570 / 11493	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
12890 / 12610	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
13313 / 13000	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
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Area Block: MC 751	Date of Summary: 13-FEB-2003	First Sample Examined: 10530
Lease Number: G22899	Source of Paleo: OPERATOR	Borehole MD: 13313
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13001
API Well Number: 608174100402	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 84
Paleo Report Num: 2 of 2	Sample Range: 10530 - 13313	Water Depth: 1624
Public Info Code: Y 09-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10530 / 10515	DEF AT first sample examined	DEF AT
11569 / 11492	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
11570 / 11493	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
12080 / 11918	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
12890 / 12610	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT
13313 / 13000	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: 8160=Globorotalia incisa acme

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
5340 / 5340	DEF AT first sample examined	POS	AT	3
5430 / 5430	DEF IN Upper Pleistocene (Ionian) Globorotalia flexuosa	DEF	AT	4
5580 / 5580	DEF AT local marker foram decrease	DEF	AT	3
5640 / 5640	DEF AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
5820 / 5820	DEF AT local marker foram increase	DEF	AT	5
5940 / 5940	DEF AT faunal change (no faunal increase)	DEF	IN	4
6150 / 6150	DEF AT faunal change (no faunal increase)	DEF	AT	4
6360 / 6360	DEF AT faunal change (no faunal increase)	DEF	IN	4
6570 / 6570	DEF AT local marker foram increase	DEF	IN	4
6990 / 6990	DEF AT local marker foram decrease	DEF	IN	4
7140 / 7140	DEF AT faunal change (no faunal increase)	DEF	AT	4
7470 / 7470	DEF AT local marker foram increase	DEF	IN	4
7500 / 7500	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	IN	4
7920 / 7920	DEF AT faunal change (no faunal increase)	DEF	AT	4
8040 / 8040	DEF AT local marker foram increase	DEF	IN	5
8070 / 8070	DEF AT Lower Pleistocene (Calabrian) Globorotalia incisa	DEF	IN	5
8160 / 8160	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "A")	DEF	IN	5
8280 / 8280	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF	IN	5
8310 / 8310	DEF AT faunal change (no faunal increase)	DEF	AT	5
8370 / 8370	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF	AT	5
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
8570 / 8570	DEF AT condensed section	DEF	IN	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8580 / 8580	DEF IN Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
8610 / 8610	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
8670 / 8670	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
9510 / 9510	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9540 / 9540	POS AT reworked material	DEF AT 5
9541 / 9541	POS AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
9600 / 9600	POS AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10020 / 10020	DEF AT faunal change (no faunal increase)	POS AT 5
10200 / 10200	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10230 / 10230	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10560 / 10559	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
10740 / 10739	DEF AT faunal change (no faunal increase)	DEF IN 4
10860 / 10859	DEF AT local marker foram increase	DEF IN 4
10890 / 10889	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF IN 4
11130 / 11129	DEF AT transported outer shelf facies	DEF AT 4
11580 / 11579	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 4
12300 / 12292	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF IN 4
12630 / 12611	DEF AT faunal change (no faunal increase)	DEF AT 4
12690 / 12669	DEF AT local marker foram decrease	DEF AT 4
12780 / 12756	DEF AT faunal change (no faunal increase)	DEF IN 4
12900 / 12870	DEF AT faunal change (no faunal increase)	DEF AT 4
14340 / 14191	DEF AT local marker planktic foram increase	DEF IN 4
14400 / 14244	DEF AT local marker planktic foram increase	DEF IN 4
14580 / 14406	DEF AT transported outer shelf facies	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 764	Date of Summary: 01-JUL-1998	First Sample Examined: 5340
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 5340 - 17580	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 003

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14640 / 14459	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14700 / 14513	DEF AT faunal change (no faunal increase)	DEF IN 4
14880 / 14675	DEF AT local marker foram decrease	DEF AT 4
15120 / 14891	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
15480 / 15216	DEF AT Arenaceous fauna (local marker)	DEF AT 4
15780 / 15489	DEF AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF IN 4
16049 / 15735	DEF AT foram flood	DEF AT 5
16050 / 15736	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF AT 5
16110 / 15791	DEF AT faunal change (no faunal increase)	DEF IN 4
16410 / 16064	DEF AT faunal change (no faunal increase)	DEF AT 4
16470 / 16117	DEF AT Eggerella 3 (local marker)	DEF AT 4
16530 / 16170	POS AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
16770 / 16380	DEF AT faunal change (no faunal increase)	DEF IN 4
16830 / 16433	DEF AT foram flood	DEF IN 4
16980 / 16564	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF IN 4
17100 / 16670	DEF AT Eggerella 3 (local marker)	DEF AT 4
17340 / 16884	DEF AT faunal change (no faunal increase)	POS AT 4
17580 / 17100	DEF AT last sample examined	POS AT 4

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UNITED STATES DEPARTMENT OF THE INTERIOR  
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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 764	Date of Summary: 25-AUG-1998	First Sample Examined: 5430
Lease Number: G08852	Source of Paleo: OPERATOR	Borehole MD: 17580
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 17100
API Well Number: 608174058700	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 5430 - 14000	Water Depth: 3283
Public Info Code: Y 18-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, 12600=Discoaster preberggrenii, 12800=assemblage A, 14000=assemblage B

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5430 / 5430	DEF AT first sample examined	DEF AT
5431 / 5431	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8280 / 8280	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
8340 / 8340	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8520 / 8520	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8580 / 8580	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9240 / 9240	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10260 / 10259	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
10980 / 10979	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
12060 / 12058	DEF AT Upper Miocene (Messinian) Discoaster berggrenii (variety?)	DEF AT
12600 / 12583	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
12700 / 12679	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
12800 / 12775	DEF AT local marker floral increase	DEF AT
14000 / 13886	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 7400
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7400 - 13890	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7400 / 7400	DEF AT first sample examined	DEF AT
7460 / 7460	DEF AT Upper Pleistocene (Ionian) Gephyrocapsa aperta	DEF AT
8210 / 8210	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	DEF AT
8360 / 8360	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
8810 / 8810	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
8870 / 8870	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri "A"	DEF AT
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9020 / 9020	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9110 / 9110	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9500 / 9500	DEF AT Lower Pliocene (Zanclian) Sphenolithus verensis	DEF AT
9800 / 9800	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
10370 / 10370	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10400 / 10400	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10910 / 10910	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10970 / 10970	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11030 / 11030	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "B"	DEF AT
11900 / 11900	DEF AT local marker floral increase	DEF AT
12960 / 12959	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
13130 / 13129	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
13370 / 13367	DEF AT Upper Miocene (Tortonian) Helicosphaera "B"	DEF AT
13420 / 13417	DEF AT Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 7400
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 7400 - 13890	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13460 / 13456	POS AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13500 / 13496	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT
13890 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
7375 / 7375	DEF AT first sample examined	DEF	AT	
7609 / 7609	DEF AT local marker foram increase	DEF	AT	4
7610 / 7610	POS AT Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF	AT	4
7970 / 7970	DEF AT reworked material	DEF	AT	4
8090 / 8090	DEF AT local marker foram increase	DEF	AT	4
8210 / 8210	POS AT local marker foram increase	DEF	AT	4
8211 / 8211	POS AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF	AT	4
8390 / 8390	DEF AT - - - - -	DEF	IN	4
8479 / 8479	POS AT condensed section	DEF	AT	
8480 / 8480	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF	AT	5
8570 / 8570	DEF AT - - - - -	DEF	IN	4
8658 / 8658	DEF AT cement	DEF	IN	4
8690 / 8690	DEF AT - - - - -	DEF	AT	4
8809 / 8809	DEF AT condensed section	DEF	AT	
8810 / 8810	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF	IN	5
8840 / 8840	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF	IN	5
8900 / 8900	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF	IN	5
8928 / 8928	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF	IN	5
8929 / 8929	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	IN	5
8930 / 8930	DEF AT Upper Pliocene (Piacenzian) Cibicides grossperforatus	DEF	IN	5
8931 / 8931	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5
9050 / 9050	DEF IN Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	IN	5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 9140	DEF AT transported shelf fauna	DEF IN 5
9300 / 9300	DEF AT - - - - -	DEF IN 4
9380 / 9380	DEF AT - - - - -	DEF AT 4
9470 / 9470	DEF AT local marker foram increase	DEF AT 4
9500 / 9500	DEF AT local marker foram increase	DEF IN 4
9530 / 9530	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 4
9560 / 9560	DEF AT sample gap top	DEF AT
9703 / 9703	DEF AT sample gap bottom	DEF AT
9704 / 9704	DEF AT - - - - -	DEF AT 4
9800 / 9800	DEF AT local marker foram increase	DEF IN 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
9920 / 9920	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10010 / 10010	DEF AT - - - - -	DEF IN 4
10310 / 10310	DEF AT - - - - -	DEF AT 5
10400 / 10400	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10430 / 10430	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
10460 / 10460	DEF AT local marker planktic foram increase	DEF AT 5
10550 / 10550	DEF AT - - - - -	DEF IN 4
10610 / 10610	DEF AT local marker foram decrease	POS AT 4
10910 / 10910	DEF AT local marker foram increase	DEF AT 5
11030 / 11030	DEF AT transported shelf fauna	DEF AT 5
11050 / 11050	DEF AT - - - - -	DEF IN 4
11179 / 11179	POS AT condensed section	DEF AT
11180 / 11180	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-APR-2000	First Sample Examined: 7375
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 13837
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 13823
API Well Number: 608174086600	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 7375 - 13838	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11270 / 11270	DEF AT local marker foram decrease	DEF AT 4
11450 / 11450	POS IN Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT 4
11810 / 11810	POS AT local marker foram increase	DEF IN 4
11960 / 11960	DEF AT local marker planktic foram increase	DEF IN 4
11990 / 11990	DEF AT sample gap top	DEF AT
12079 / 12079	DEF AT sample gap bottom	DEF AT
12080 / 12080	DEF AT - - - - -	DEF IN 4
12470 / 12470	DEF AT local marker foram increase	DEF AT 5
12530 / 12530	DEF AT - - - - -	DEF IN 4
12740 / 12740	DEF AT transported shelf fauna	DEF AT 4
13000 / 12999	POS AT Upper Miocene (Tortonian) Globorotalia acostaensis (coiling change right/left)	DEF AT 4
13030 / 13029	DEF AT Upper Miocene (Tortonian) Reophax davepopei	DEF AT 4
13070 / 13069	DEF AT local marker foram increase	DEF IN 4
13130 / 13129	DEF AT - - - - -	DEF AT 4
13350 / 13347	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 4
13370 / 13367	DEF AT - - - - -	DEF AT 5
13430 / 13427	DEF AT - - - - -	DEF IN 4
13630 / 13623	DEF AT transported shelf fauna	DEF AT 4
13810 / 13797	DEF AT - - - - -	DEF IN 4
13830 / 13816	DEF AT last sample examined	DEF IN 4

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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-MAR-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: NANNO-CHRON INTERNATIONAL (W H ABBOTT)	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 1 of 2	Sample Range: 13780 - 17998	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13780 / 13769	DEF AT first sample examined	DEF AT
13800 / 13788	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
13900 / 13884	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
14240 / 14201	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
14330 / 14284	DEF AT Upper Miocene (Tortonian) Catinaster calyculus	DEF AT
15110 / 14994	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
15620 / 15455	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
16580 / 16327	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
17420 / 17099	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
17660 / 17321	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
17998 / 17635	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 815	Date of Summary: 01-MAY-2000	First Sample Examined: 13780
Lease Number: G18294	Source of Paleo: OPERATOR	Borehole MD: 17998
Well Name: 001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 17635
API Well Number: 608174086601	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 78
Paleo Report Num: 2 of 2	Sample Range: 13780 - 17998	Water Depth: 5395
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: 16910=Uvigerina semicostata acme, 17150=increase in Saccamina sp

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
13780 / 13769	DEF AT first sample examined	DEF	IN	4
13781 / 13770	DEF IN Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	IN	4
13820 / 13808	DEF AT Upper Miocene (Tortonian) Cibicides trincerensis	DEF	IN	4
13880 / 13865	DEF AT - - - - -	DEF	AT	5
13960 / 13941	DEF AT local marker foram increase	DEF	AT	5
14000 / 13979	DEF AT - - - - -	DEF	IN	4
14060 / 14035	POS AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF	IN	4
14090 / 14063	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	IN	4
14150 / 14119	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	DEF	IN	4
14270 / 14229	POS AT Upper Miocene (Tortonian) Cibicides crebbi	DEF	IN	4
14330 / 14284	DEF AT local marker foram increase	DEF	IN	4
14390 / 14339	DEF AT - - - - -	DEF	AT	0
14600 / 14530	DEF AT - - - - -	DEF	AT	4
14630 / 14557	DEF AT Upper Miocene (Tortonian) Cibicides crebbi	DEF	AT	4
14690 / 14612	DEF AT - - - - -	DEF	IN	4
14750 / 14667	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF	IN	4
14810 / 14721	DEF AT - - - - -	DEF	AT	4
15110 / 14994	DEF AT local marker foram increase	DEF	AT	4
16040 / 15838	DEF AT - - - - -	DEF	IN	4
16130 / 15919	DEF AT - - - - -	DEF	AT	4
16250 / 16028	DEF AT local marker foram increase	DEF	AT	4
16310 / 16082	DEF AT - - - - -	DEF	IN	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> MC 815	<b>Date of Summary:</b> 01-MAY-2000	<b>First Sample Examined:</b> 13780
<b>Lease Number:</b> G18294	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 17998
<b>Well Name:</b> 001	<b>Paleo Done By:</b> APPLIED BIOSTRATIGRAPHIX	<b>Borehole TVD:</b> 17635
<b>API Well Number:</b> 608174086601	<b>Drilling Operator:</b> VASTAR RESOURCES INC.	<b>Rkb Elevation:</b> 78
<b>Paleo Report Num:</b> 2 of 2	<b>Sample Range:</b> 13780 - 17998	<b>Water Depth:</b> 5395
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
16369 / 16136	DEF AT local marker foram increase	DEF	IN	4
16370 / 16136	POS AT Upper Miocene (Tortonian) Cibicides inflata	DEF	IN	4
16460 / 16218	DEF AT local marker benthic foram increase	DEF	IN	4
16550 / 16300	DEF AT Arenaceous fauna (local marker)	DEF	IN	4
16610 / 16354	DEF AT Bathysiphon fauna	DEF	IN	4
16730 / 16464	DEF AT - - - - -	DEF	AT	4
16790 / 16519	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF	AT	4
16910 / 16629	DEF AT local marker foram increase	DEF	IN	4
16970 / 16684	DEF AT Arenaceous fauna (local marker)	DEF	IN	4
17060 / 16767	DEF AT local marker foram increase	DEF	IN	4
17090 / 16795	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF	IN	4
17150 / 16850	DEF AT Arenaceous fauna (local marker)	DEF	IN	4
17210 / 16905	DEF AT - - - - -	DEF	AT	4
17390 / 17072	DEF AT local marker foram increase	DEF	IN	4
17998 / 17635	DEF AT last sample examined	DEF	IN	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRAPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8950	DEF AT first sample examined	DEF AT 5
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Globorotalia truncatulinoides (coiling change right/left)	DEF AT 5
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Stilostomella antillea	DEF AT 5
9100 / 9100	DEF AT local marker foram increase	DEF AT 5
9310 / 9310	DEF AT pyrite	DEF AT 5
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 5
9370 / 9370	DEF AT foram flood	DEF AT 5
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 5
9580 / 9580	DEF AT local marker foram decrease	DEF AT 5
9760 / 9760	DEF AT drilling material	DEF IN 4
9880 / 9880	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF IN 4
9910 / 9910	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
9940 / 9940	DEF AT foram flood	DEF IN 5
10030 / 10030	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF IN 5
10060 / 10060	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
10120 / 10120	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
10180 / 10180	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
10240 / 10240	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
10270 / 10270	DEF AT local marker foram decrease	DEF IN 5
10300 / 10300	DEF AT local marker benthic foram increase	DEF IN 5
10360 / 10360	DEF AT local marker foram decrease	DEF IN 5
10390 / 10390	DEF AT faunal change (no faunal increase)	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10480 / 10480	DEF AT pyrite	DEF AT 5
10570 / 10570	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10720 / 10720	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10750 / 10750	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 5
10840 / 10840	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
10869 / 10869	DEF AT pyrite	DEF AT 5
10870 / 10870	POS AT Lower Pliocene (Zanclian) Sphaeroidinellopsis multiloba	DEF AT 5
10900 / 10900	DEF AT drilling material	DEF AT 5
10960 / 10960	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 5
10990 / 10990	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 5
11020 / 11020	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF AT 5
11080 / 11080	DEF AT pyrite	DEF AT 5
11110 / 11110	DEF AT drilling material	DEF AT 5
11170 / 11170	DEF AT local marker benthic foram increase	DEF AT 5
11200 / 11200	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF AT 5
11230 / 11230	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 5
11259 / 11259	DEF AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 5
11260 / 11260	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 5
11290 / 11290	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 5
11320 / 11320	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11410 / 11410	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
11440 / 11440	DEF AT local marker foram decrease	DEF AT 5
11470 / 11470	DEF AT salt	DEF AT 5
17929 / 17929	DEF AT base of salt	DEF AT 5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 12-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 8950 - 17955	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17930 / 17930	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
17955 / 17955	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 14-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 8950 - 11470	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: N	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8950 / 8950	DEF AT first sample examined	DEF AT
8951 / 8951	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "A"	DEF AT
8980 / 8980	DEF AT local marker floral decrease	DEF AT
9100 / 9100	DEF AT floral flood	DEF AT
9190 / 9190	DEF AT local marker floral decrease	DEF AT
9280 / 9280	DEF AT local marker floral increase	DEF AT
9310 / 9310	DEF AT floral flood	DEF AT
9340 / 9340	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa aperta (acme)	DEF AT
9370 / 9370	DEF AT Lower Pleistocene (Calabrian) Scyphosphaera pulcherima	DEF AT
9430 / 9430	DEF AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
9460 / 9460	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
9520 / 9520	DEF AT local marker floral decrease	DEF AT
9730 / 9730	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
9760 / 9760	DEF AT local marker floral decrease	DEF AT
9820 / 9820	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
9910 / 9910	DEF AT floral flood	DEF AT
10000 / 10000	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
10030 / 10030	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri (increase)	DEF AT
10060 / 10060	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
10120 / 10120	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
10300 / 10300	DEF AT local marker floral decrease	DEF AT
10480 / 10480	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 14-OCT-2003	First Sample Examined: 8950
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 17955
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 17955
API Well Number: 608174101900	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 8950 - 11470	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: N	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10720 / 10720	DEF AT local marker floral decrease	DEF AT
10810 / 10810	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10870 / 10870	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10930 / 10930	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10990 / 10990	DEF AT Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT
11020 / 11020	DEF AT local marker floral decrease	DEF AT
11050 / 11050	DEF AT floral flood	DEF AT
11110 / 11110	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
11140 / 11140	POS AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
11200 / 11200	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11230 / 11230	DEF AT local marker floral decrease	DEF AT
11260 / 11260	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11290 / 11290	DEF IN Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11320 / 11320	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11380 / 11380	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
11410 / 11410	DEF AT out-of-place section	DEF AT
11470 / 11470	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 18-NOV-2003	First Sample Examined: 17930
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17930 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
17930 / 17922	DEF AT first sample examined	POS	AT	5
17931 / 17923	DEF IN salt	POS	AT	5
18139 / 18129	DEF AT base of salt	DEF	AT	5
18140 / 18130	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF	AT	5
18200 / 18190	DEF AT local marker planktic foram increase	DEF	AT	5
18379 / 18368	DEF AT turbid water facies	POS	AT	5
18380 / 18369	DEF AT local white Arenaceous fauna	POS	AT	5
18410 / 18399	DEF AT - - - - -	DEF	AT	5
18440 / 18428	DEF AT local marker foram decrease	DEF	AT	5
18470 / 18458	DEF AT turbid water facies	POS	AT	5
18530 / 18518	DEF AT - - - - -	DEF	AT	5
18550 / 18538	DEF AT turbid water facies	POS	AT	5
18590 / 18577	DEF AT - - - - -	DEF	AT	5
18650 / 18637	DEF AT foram flood	DEF	AT	5
18670 / 18657	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
18710 / 18696	DEF AT Bathysiphon fauna	DEF	AT	5
18740 / 18726	DEF AT turbid water facies	POS	AT	5
18770 / 18756	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF	AT	5
18800 / 18786	DEF AT pyrite	DEF	AT	5
18830 / 18815	DEF AT local marker foram increase	DEF	AT	5
18950 / 18934	DEF AT local marker foram decrease	DEF	AT	5
18960 / 18944	DEF AT local marker planktic foram increase	DEF	AT	5

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 18-NOV-2003	First Sample Examined: 17930
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 1 of 2	Sample Range: 17930 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
19010 / 18994	DEF AT local marker foram decrease	DEF IN 4
19070 / 19053	DEF AT pyrite	DEF IN 4
19100 / 19083	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 03-DEC-2003	First Sample Examined: 18140
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 19157
Well Name: 001	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 19139
API Well Number: 608174101901	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 75
Paleo Report Num: 2 of 2	Sample Range: 18140 - 19157	Water Depth: 5657
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
18140 / 18130	DEF AT first sample examined	DEF AT
18141 / 18131	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
18200 / 18190	DEF AT local marker floral decrease	DEF AT
18320 / 18309	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT
18440 / 18428	DEF AT local marker floral decrease	DEF AT
18650 / 18637	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
18680 / 18667	DEF AT local marker floral decrease	DEF AT
18890 / 18875	DEF AT floral flood	DEF AT
18920 / 18905	DEF AT local marker floral decrease	DEF AT
18980 / 18964	POS AT local marker floral increase	DEF AT
19010 / 18994	POS AT local marker floral decrease	DEF AT
19137 / 19119	POS AT local marker floral increase	DEF AT
19157 / 19139	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 01-AUG-2007	First Sample Examined: 16560
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 4	Sample Range: 16560 - 27070	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by JMC of subsalt section, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
16560 / 16553	DEF AT first sample examined	DEF AT
16561 / 16554	DEF IN out-of-place section	DEF AT
16790 / 16781	DEF IN Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i>	DEF AT
16880 / 16869	DEF AT Middle Miocene (Serravallian) <i>Discoaster sanmiguelensis</i>	DEF AT
17380 / 17363	DEF AT floral flood	DEF AT
19610 / 19491	DEF AT Middle Miocene (Serravallian) <i>Cyclicargolithus floridanus</i> (increase)	DEF AT
21020 / 20602	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i>	DEF AT
21640 / 21087	DEF AT Middle Miocene (Serravallian) <i>Discoaster petaliformis</i>	DEF AT
22360 / 21642	DEF AT floral flood	DEF AT
22510 / 21760	DEF AT floral flood	DEF AT
24970 / 23697	DEF AT Middle Miocene (Serravallian) <i>Sphenolithus heteromorphus</i> (acme)	DEF AT
26050 / 24543	DEF AT Middle Miocene (Langhian) <i>Helicosphaera ampliaperta</i>	DEF AT
27070 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 08-AUG-2007	First Sample Examined: 9320
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 4	Sample Range: 9320 - 11510	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9320 / 9320	DEF AT first sample examined	DEF AT
9321 / 9321	POS IN Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
9470 / 9470	DEF AT floral flood	DEF AT
9500 / 9500	DEF AT Upper Pliocene (Gelasian) Discoaster pentaradiatus	DEF AT
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
9680 / 9680	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
9830 / 9830	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT
9890 / 9890	DEF AT local marker floral decrease	DEF AT
9920 / 9920	DEF AT local marker floral increase	DEF AT
10010 / 10010	DEF AT floral flood	DEF AT
10130 / 10130	DEF AT local marker floral decrease	DEF AT
10190 / 10190	DEF AT floral flood	DEF AT
10250 / 10250	DEF AT local marker floral decrease	DEF AT
10280 / 10280	DEF AT floral flood	DEF AT
10430 / 10430	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT
10520 / 10520	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
10580 / 10580	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT
10700 / 10700	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
10910 / 10910	DEF AT local marker floral decrease	DEF AT
10970 / 10970	DEF AT floral flood	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MC 860	Date of Summary: 08-AUG-2007	First Sample Examined: 9320
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 4	Sample Range: 9320 - 11510	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

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<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11000 / 11000	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT
11090 / 11090	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
11210 / 11210	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
11240 / 11240	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
11270 / 11270	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11420 / 11420	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11450 / 11450	DEF IN salt	DEF AT
11510 / 11510	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 15-AUG-2007	First Sample Examined: 9319
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 3 of 4	Sample Range: 9319 - 11450	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Big North Prospect, paleo done by Rome Lytton II, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9319 / 9319	DEF AT first sample examined	DEF IN 4
9320 / 9320	DEF IN cement	DEF IN 4
9470 / 9470	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscentis (acme "B")	DEF IN 5
9500 / 9500	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF IN 5
9530 / 9530	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF IN 5
9560 / 9560	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF IN 5
9589 / 9589	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF IN 5
9590 / 9590	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF IN 5
9619 / 9619	DEF AT pyrite	DEF IN 5
9620 / 9620	DEF AT local marker foram decrease	DEF IN 5
9710 / 9710	DEF AT local marker planktic foram increase	DEF IN 5
9770 / 9770	DEF AT local marker foram decrease	DEF AT 5
9890 / 9890	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannah (acme)	DEF AT 5
9920 / 9920	DEF AT faunal change (no faunal increase)	DEF IN 5
9950 / 9950	DEF AT Lower Pliocene (Zanclian) Cibicides marsi	DEF AT 5
9980 / 9980	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF IN 5
10070 / 10070	DEF AT pyrite	DEF IN 5
10309 / 10309	DEF AT Lower Pliocene (Zanclian) Uvigerina rustica	DEF IN 5
10310 / 10310	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF IN 5
10430 / 10430	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF IN 5
10489 / 10489	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF IN 5
10490 / 10490	DEF AT Lower Pliocene (Zanclian) Globorotalia plesiotumida (acme)	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> MC 860	<b>Date of Summary:</b> 15-AUG-2007	<b>First Sample Examined:</b> 9319
<b>Lease Number:</b> G18301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 26979
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 25274
<b>API Well Number:</b> 608174112800	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 3 of 4	<b>Sample Range:</b> 9319 - 11450	<b>Water Depth:</b> 5667
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10520 / 10520	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF IN 5
10550 / 10550	DEF AT Upper Miocene (Messinian) Globorotalia juanai	DEF IN 5
10699 / 10699	DEF AT pyrite	DEF IN 5
10700 / 10700	DEF AT Upper Miocene (Messinian) Bolivina denticulata	DEF IN 5
10820 / 10820	DEF AT local marker foram decrease	DEF IN 5
10970 / 10970	DEF AT Upper Miocene (Tortonian) Planulina renzi	DEF IN 5
11060 / 11060	DEF AT Upper Miocene (Tortonian) Sphaeroidinellopsis disjuncta	DEF IN 5
11180 / 11180	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 5
11270 / 11270	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF IN 5
11300 / 11300	DEF AT reworked material	DEF IN 5
11420 / 11420	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 5
11450 / 11450	DEF AT last sample examined	DEF IN 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

Remark: Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
13264 / 13264	DEF AT first sample examined	DEF	AT	4
13265 / 13265	DEF IN out-of-place section	DEF	AT	4
16520 / 16514	DEF AT reworked material	DEF	AT	4
16610 / 16603	DEF AT faunal change (no faunal increase)	DEF	AT	5
16640 / 16632	DEF AT foram flood	DEF	AT	5
16730 / 16721	DEF AT reworked material	DEF	AT	5
16940 / 16929	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
17120 / 17106	DEF AT reworked material	DEF	AT	5
17390 / 17373	DEF AT reworked material	DEF	AT	4
17420 / 17402	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF	AT	5
17450 / 17432	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF	AT	5
17480 / 17461	DEF AT local marker foram decrease	DEF	AT	5
17540 / 17520	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF	AT	5
17600 / 17580	DEF AT local marker foram decrease	DEF	AT	5
18020 / 17994	DEF AT local marker foram decrease	DEF	IN	4
18080 / 18053	DEF AT faunal change (no faunal increase)	DEF	AT	5
18110 / 18083	DEF AT pyrite	DEF	AT	5
18170 / 18142	DEF AT local white Arenaceous fauna	DEF	AT	5
18200 / 18171	DEF AT pyrite	DEF	AT	5
18620 / 18583	DEF AT Cyclammina sp. (local marker)	DEF	AT	5
18710 / 18671	DEF AT local marker foram decrease	DEF	AT	5
19370 / 19284	DEF AT faunal change (no faunal increase)	DEF	AT	4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

MD / TVD	Paleo Top Description	Ecozone
19640 / 19516	DEF AT local marker deep water fauna	DEF AT 6
19700 / 19566	DEF AT local marker foram decrease	DEF AT 4
19730 / 19591	DEF AT pyrite	DEF AT 4
19760 / 19616	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
19880 / 19712	DEF AT - - - - -	DEF IN 4
20119 / 19898	DEF AT Eggerella sp. (local marker)	POS IN 4
20120 / 19899	DEF AT turbid water facies	POS IN 4
20330 / 20063	DEF AT local marker foram increase	POS IN 4
20360 / 20086	DEF AT faunal change (no faunal increase)	DEF AT 4
20390 / 20110	DEF AT local marker foram decrease	DEF AT 4
20480 / 20180	DEF AT - - - - -	DEF AT 5
20509 / 20203	DEF AT Bathysiphon fauna	POS AT 5
20510 / 20204	DEF AT turbid water facies	POS AT 5
20570 / 20250	DEF AT local marker foram decrease	DEF AT 5
20600 / 20274	DEF AT turbid water facies	POS AT 5
20749 / 20390	DEF AT Arenaceous fauna (local marker)	POS AT 5
20750 / 20391	DEF AT foram flood	POS AT 5
20840 / 20461	DEF AT Arenaceous fauna (local marker)	POS AT 5
20870 / 20485	DEF AT Bathysiphon fauna	POS AT 5
20960 / 20555	DEF AT local marker foram decrease	POS AT 5
21940 / 21317	DEF AT Arenaceous fauna (local marker)	POS AT 5
22000 / 21363	DEF AT local marker foram decrease	POS AT 5
22090 / 21432	DEF AT pyrite	DEF AT 5
22180 / 21502	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22300 / 21595	DEF AT faunal change (no faunal increase)	DEF AT 4
22390 / 21665	DEF AT - - - - -	DEF AT 5
22595 / 21827	DEF AT - - - - -	DEF AT 4
22660 / 21878	DEF AT faunal change (no faunal increase)	DEF AT 5
22899 / 22066	DEF AT Bathysiphon fauna	POS AT 5
22900 / 22067	DEF AT turbid water facies	POS AT 5
22990 / 22138	DEF AT faunal change (no faunal increase)	DEF AT 5
23080 / 22209	DEF AT local marker planktic foram increase	DEF AT 5
23110 / 22232	DEF AT Bathysiphon fauna	DEF AT 5
23200 / 22303	DEF AT turbid water facies	POS AT 5
23350 / 22421	DEF AT local marker planktic foram increase	DEF AT 5
23380 / 22445	DEF AT foram flood	DEF AT 5
23590 / 22610	DEF AT turbid water facies	POS AT 5
23680 / 22681	DEF AT Arenaceous fauna (local marker)	POS AT 5
24460 / 23295	DEF AT Bathysiphon fauna	POS AT 5
24520 / 23343	DEF AT local marker foram increase	DEF AT 4
24730 / 23508	DEF AT turbid water facies	POS AT 4
24760 / 23532	DEF AT faunal change (no faunal increase)	DEF AT 4
24820 / 23579	DEF AT local marker foram decrease	DEF AT 4
24850 / 23602	DEF AT faunal change (no faunal increase)	DEF AT 5
24910 / 23650	DEF AT transported shelf fauna	POS AT 5
25029 / 23743	DEF AT pyrite	POS AT 5
25030 / 23744	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	POS AT 5
25210 / 23885	DEF AT faunal change (no faunal increase)	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 02-NOV-2007	First Sample Examined: 13264
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 26979
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 25274
API Well Number: 608174112800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 4 of 4	Sample Range: 13264 - 26978	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 004

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
25360 / 24002	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
25390 / 24026	DEF AT pyrite	DEF AT 4
25660 / 24237	DEF AT local marker foram increase	DEF AT 5
25750 / 24308	DEF AT local marker foram decrease	DEF AT 4
26020 / 24520	POS AT local marker foram increase	DEF AT 5
26049 / 24543	POS AT glauconite	DEF AT 5
26050 / 24543	DEF AT foram flood	DEF AT 5
26139 / 24613	POS AT glauconite	DEF AT 5
26140 / 24614	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
26230 / 24685	DEF AT local marker foram decrease	DEF IN 4
26320 / 24756	DEF AT local marker planktic foram increase	DEF AT 5
26439 / 24849	DEF AT Arenaceous fauna (local marker)	DEF AT 5
26440 / 24850	DEF AT local marker planktic foram increase	DEF AT 5
26500 / 24897	DEF AT local marker foram decrease	DEF IN 4
26860 / 25180	DEF AT transported shelf fauna	DEF IN 4
26950 / 25251	DEF AT foram flood	DEF AT 5
26976 / 25271	DEF AT last sample examined	DEF AT 5

This report contains public paleo reports only for the time period stated

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> MC 860	<b>Date of Summary:</b> 01-SEP-2007	<b>First Sample Examined:</b> 26980
<b>Lease Number:</b> G18301	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 29821
<b>Well Name:</b> 003	<b>Paleo Done By:</b> OPERATOR	<b>Borehole TVD:</b> 27857
<b>API Well Number:</b> 608174112801	<b>Drilling Operator:</b> CHEVRON USA INC	<b>Rkb Elevation:</b> 92
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 26980 - 29780	<b>Water Depth:</b> 5667
<b>Public Info Code:</b> Y 14-JUN-2008	<b>Ecozone Eq MMS:</b>	<b>Paleo ID:</b> 001

**Remark:** Big North Prospect, calcareous nannofossil report, paleo done by Anatoliy Shumnuk, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26980 / 25300	DEF AT first sample examined	DEF AT
26981 / 25300	DEF IN Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
27020 / 25333	DEF AT local marker floral decrease	DEF AT
27110 / 25408	DEF AT local marker floral increase	DEF AT
27200 / 25485	DEF AT local marker floral decrease	DEF AT
27350 / 25612	DEF AT local marker floral increase	DEF AT
27410 / 25664	DEF AT local marker floral decrease	DEF AT
27490 / 25733	DEF AT floral flood	DEF AT
27540 / 25776	DEF AT local marker floral decrease	DEF AT
27860 / 26056	DEF AT floral flood	DEF AT
28010 / 26190	DEF AT local marker floral decrease	DEF AT
28130 / 26297	DEF AT local marker floral increase	DEF AT
28219 / 26377	DEF AT floral flood	DEF AT
28220 / 26378	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT
28460 / 26595	DEF AT local marker floral decrease	DEF AT
28700 / 26813	DEF AT floral flood	DEF AT
28910 / 27006	DEF AT local marker floral decrease	DEF AT
28970 / 27061	DEF AT floral flood	DEF AT
29150 / 27228	DEF AT local marker floral decrease	DEF AT
29240 / 27312	DEF AT reworked material	DEF AT
29389 / 27451	DEF AT floral flood	DEF AT

**This report contains public paleo reports only for the time period stated**

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 01-SEP-2007	First Sample Examined: 26980
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 1 of 2	Sample Range: 26980 - 29780	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
29390 / 27452	DEF AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
29600 / 27649	DEF AT local marker floral decrease	DEF AT
29750 / 27790	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnos	DEF AT
29780 / 27818	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

**Remark:** Big North Prospect, paleo done by Bruce Desselle, foram species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
27020 / 25333	DEF AT first sample examined	DEF AT 5
27021 / 25334	DEF IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
27259 / 25535	DEF AT Bathysiphon fauna	DEF AT 5
27260 / 25535	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 5
27350 / 25612	DEF AT transported inner shelf facies	POS AT 5
27380 / 25638	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 5
27410 / 25664	DEF AT local marker foram decrease	DEF AT 5
27500 / 25741	DEF AT local marker planktic foram increase	DEF AT 5
27679 / 25897	DEF AT pyrite	POS AT 5
27680 / 25898	DEF AT transported inner shelf facies	POS AT 5
27710 / 25924	DEF AT local marker foram decrease	POS AT 5
27860 / 26056	DEF AT foram flood	DEF AT 5
27920 / 26110	DEF AT local marker foram decrease	DEF AT 5
27980 / 26163	DEF AT Bathysiphon fauna	DEF AT 5
28070 / 26244	DEF AT pyrite	DEF AT 5
28130 / 26297	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF AT 5
28220 / 26378	DEF AT foram flood	DEF AT 5
28340 / 26486	DEF AT local marker benthic foram increase	DEF AT 5
28460 / 26595	DEF AT local marker foram decrease	DEF IN 4
28700 / 26813	DEF AT local marker deep water fauna	DEF AT 5
28850 / 26951	DEF AT faunal change (no faunal increase)	DEF IN 4
28970 / 27061	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 860	Date of Summary: 09-NOV-2007	First Sample Examined: 27020
Lease Number: G18301	Source of Paleo: OPERATOR	Borehole MD: 29821
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 27857
API Well Number: 608174112801	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 92
Paleo Report Num: 2 of 2	Sample Range: 27020 - 29820	Water Depth: 5667
Public Info Code: Y 14-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
29000 / 27089	DEF AT foram flood	DEF AT 5
29120 / 27200	DEF AT pyrite	DEF AT 5
29240 / 27312	DEF AT siltstone	DEF AT 5
29360 / 27424	DEF AT transported inner shelf facies	POS AT 5
29390 / 27452	POS IN Lower Miocene (Burdigalian) Catapsydrax stainforthi	DEF AT 5
29419 / 27479	DEF AT Bathysiphon fauna	DEF IN 4
29420 / 27480	DEF AT Lower Miocene (Burdigalian) Saracenaria sp. / "D"	DEF IN 4
29480 / 27536	DEF AT Lower Miocene (Burdigalian) Gyroidina "K" / 9 / 4	DEF IN 4
29540 / 27592	DEF AT Eggerella sp. (local marker)	DEF IN 4
29690 / 27733	DEF AT turbid water facies	POS IN 4
29720 / 27762	DEF AT faunal change (no faunal increase)	DEF IN 4
29779 / 27817	DEF AT turbid water facies	POS IN 4
29780 / 27818	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	POS IN 4
29820 / 27856	DEF AT last sample examined	POS IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 899	Date of Summary: 30-DEC-1997	First Sample Examined: 6300
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20014
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 19418
API Well Number: 608174058000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6300 - 19911	Water Depth: 4394
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8500 / 8500	DEF AT first sample examined	DEF AT 4
8800 / 8800	DEF AT Middle Pleistocene (Ionian) Pseudoemiliana ovata	POS AT 4
8980 / 8980	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	POS AT 4
9070 / 9070	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	POS AT 4
9220 / 9220	DEF AT Upper Pliocene (Gelasian) Discoaster brouweri	POS AT 4
9250 / 9250	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
9280 / 9280	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9340 / 9340	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
9490 / 9490	DEF AT - - - - -	DEF AT 4
9760 / 9760	DEF AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 4
10000 / 10000	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
10060 / 10060	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 5
10179 / 10179	DEF IN Lower Pliocene (Zanclian) Uvigerina rustica	DEF AT 5
10180 / 10180	DEF IN Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
10420 / 10420	DEF AT - - - - -	DEF AT 4
10660 / 10660	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 4
11080 / 11080	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 4
11170 / 11170	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
14020 / 14019	DEF AT - - - - -	POS AT 4
14440 / 14439	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	POS AT 4
14470 / 14469	DEF AT - - - - -	POS AT 5
15970 / 15944	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	POS AT 5

This report contains public paleo reports only for the time period stated



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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MC 899	Date of Summary: 30-DEC-1997	First Sample Examined: 6300
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 20014
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 19418
API Well Number: 608174058000	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 6300 - 19911	Water Depth: 4394
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

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<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
17740 / 17528	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	POS AT 5
17920 / 17684	DEF AT Upper Miocene (Tortonian) Globoquadrina dehiscens	POS AT 5
18160 / 17891	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
18550 / 18220	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT 5
19458 / 18961	DEF AT - - - - -	POS AT 4
19911 / 19336	DEF AT last sample examined	POS AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MC 899	Date of Summary: 23-JAN-1998	First Sample Examined: 15030
Lease Number: G09896	Source of Paleo: OPERATOR	Borehole MD: 19782
Well Name: 005	Paleo Done By: OPERATOR	Borehole TVD: 18790
API Well Number: 608174058001	Drilling Operator: BP EXPLORATION & OIL INC	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 15030 - 19782	Water Depth: 4393
Public Info Code: Y 03-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15030 / 15025	DEF AT first sample examined	DEF AT 6
15720 / 15682	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT 6
15840 / 15793	DEF AT - - - - -	POS AT 6
16200 / 16113	DEF AT - - - - -	DEF AT 5
16380 / 16262	DEF AT local marker deep water fauna	DEF AT 5
18660 / 17965	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 5
19170 / 18339	POS AT Upper Miocene (Tortonian) Discorbis 12	POS AT 5
19230 / 18383	DEF AT local marker deep water fauna	DEF AT 5
19410 / 18516	DEF AT - - - - -	POS AT 5
19782 / 18790	DEF AT last sample examined	POS AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MI 633	Date of Summary: 22-JUN-1998	First Sample Examined: 0
Lease Number: G07202	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13140
Well Name: C002	Paleo Done By: OPERATOR	Borehole TVD: 11040
API Well Number: 427034051601	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 106
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

MD / TVD	Paleo Top Description	Ecozone
9323 / 8365	DEF IN Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10244 / 8987	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MO 823	Date of Summary: 18-MAY-1998	First Sample Examined: 0
Lease Number: G05057	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 22415
Well Name: A005	Paleo Done By: OPERATOR	Borehole TVD: 21755
API Well Number: 608154010500	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 47
Public Info Code: Y 14-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=aeolian sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
22107 / 21468	DEF IN Jurassic Norphlet Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MO 914	Date of Summary: 14-APR-1998	First Sample Examined: 0
Lease Number: G07846	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 23906
Well Name: 004	Paleo Done By: OPERATOR	Borehole TVD: 22541
API Well Number: 608154010400	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 70
Public Info Code: Y 15-APR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
21457 / 20453	DEF IN Jurassic Haynesville Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MO 991	Date of Summary: 23-NOV-1998	First Sample Examined: 0
Lease Number: G15403	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15402
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 15400
API Well Number: 608154010001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 07-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
15038 / 15036	DEF IN Lower Cretaceous James Formation	DEF AT 0

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 91	Date of Summary: 08-MAY-1998	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9248
Well Name: B002	Paleo Done By: OPERATOR	Borehole TVD: 8627
API Well Number: 177254065200	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 109
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 04-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2248 / 2241	DEF AT Lower Pliocene (Zancian) Buliminella 1	DEF AT
3357 / 3203	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
4878 / 4442	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
5409 / 4897	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8124 / 7504	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 91	Date of Summary: 02-JUL-1998	First Sample Examined: 0
Lease Number: G14576	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8805
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 5730
API Well Number: 177254065600	Drilling Operator: PETSEC ENERGY INC	Rkb Elevation: 80
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 37
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2285 / 2246	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT
3871 / 3239	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT
6285 / 4437	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
7102 / 4877	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MP 162	Date of Summary: 01-JUN-1998	First Sample Examined: 7230
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 12690
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11400
API Well Number: 177244081700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7230 - 12690	Water Depth: 91
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7230 / 7201	DEF AT first sample examined	POS AT 2
7500 / 7455	DEF AT pyrite	DEF AT 2
7529 / 7481	DEF AT Eggerella sp. (local marker)	DEF AT 2
7530 / 7482	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
8100 / 7962	DEF AT Eggerella 3 (local marker)	POS AT 3
8520 / 8275	DEF AT - - - - -	POS AT 2
8940 / 8584	DEF AT pyrite	POS AT 2
11190 / 10305	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
11460 / 10498	DEF AT Eggerella sp. (local marker)	DEF AT 3
11520 / 10542	DEF AT Bathysiphon fauna	DEF AT 3
11550 / 10565	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 3
11729 / 10699	DEF AT pyrite	DEF AT 3
11730 / 10700	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
11848 / 10788	POS AT unconformity	DEF AT 3
11849 / 10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi praefohsi	DEF AT 3
11850 / 10789	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
11880 / 10812	DEF AT local marker benthic foram increase	DEF AT 3
11910 / 10834	DEF AT faunal change (no faunal increase)	DEF AT 4
11940 / 10856	DEF AT pyrite	DEF AT 4
12000 / 10901	DEF AT local marker foram increase	DEF AT 4
12090 / 10968	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12330 / 11143	DEF AT local marker planktic foram increase	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 162	Date of Summary: 01-JUN-1998	First Sample Examined: 7230
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 12690
Well Name: A001	Paleo Done By: APPLIED BIOSTRATIGRAPHIX	Borehole TVD: 11400
API Well Number: 177244081700	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 7230 - 12690	Water Depth: 91
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12390 / 11187	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 4
12510 / 11273	DEF AT local marker benthic foram increase	DEF AT 4
12540 / 11294	DEF AT local marker foram increase	DEF AT 4
12660 / 11379	DEF AT local marker planktic foram increase	DEF AT 4
12690 / 11400	DEF AT last sample examined	DEF AT 4

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GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 6960
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 1 of 2	Sample Range: 6960 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 002

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Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6960 / 6618	DEF AT first sample examined	DEF AT 3
6961 / 6619	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
6962 / 6620	DEF IN Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 3
9360 / 8673	DEF AT Eggerella sp. (local marker)	DEF IN 3
9390 / 8699	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 4
10890 / 10027	DEF AT local marker foram increase	DEF AT 4
11130 / 10240	POS AT Middle Miocene (Serravallian) Globorotalia fohsi lobata	DEF AT 4
11160 / 10267	DEF AT last sample examined	DEF AT 4

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: MP 162	Date of Summary: 22-JUL-1998	First Sample Examined: 7020
Lease Number: G13968	Source of Paleo: OPERATOR	Borehole MD: 11180
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 10285
API Well Number: 177244082100	Drilling Operator: ANADARKO E&P COMPANY LP	Rkb Elevation: 82
Paleo Report Num: 2 of 2	Sample Range: 7020 - 11160	Water Depth: 91
Public Info Code: Y 20-JUL-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7020 / 6669	DEF AT first sample examined	DEF AT
7260 / 6873	DEF IN Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
9390 / 8699	DEF AT local marker floral increase	DEF AT
9480 / 8777	POS AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
9540 / 8830	DEF AT local marker floral decrease	DEF AT
9810 / 9067	DEF AT local marker floral increase	DEF AT
9870 / 9120	DEF AT local marker floral decrease	DEF AT
10890 / 10027	DEF AT local marker floral increase	DEF AT
10950 / 10080	DEF AT local marker floral decrease	DEF AT
11070 / 10187	DEF AT local marker floral increase	DEF AT
11160 / 10267	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 223	Date of Summary: 25-MAY-1998	First Sample Examined: 6690
Lease Number: G12096	Source of Paleo: OPERATOR	Borehole MD: 10547
Well Name: A007	Paleo Done By: PALEO CONTROL INC.	Borehole TVD: 9884
API Well Number: 177244081800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 134
Paleo Report Num: 1 of 1	Sample Range: 3600 - 10547	Water Depth: 269
Public Info Code: Y 02-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6690 / 6456	DEF AT first sample examined	DEF AT 3
6691 / 6457	DEF IN Upper (Late) Miocene	DEF AT 3
7050 / 6776	DEF AT Upper Miocene (Tortonian) Cibicides crebbsi	DEF AT 3
7140 / 6855	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 3
7230 / 6935	DEF AT - - - - -	DEF AT 4
9001 / 8505	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10439 / 9785	POS AT unconformity	DEF AT 4
10440 / 9786	DEF AT local marker foram increase	DEF AT 4
10547 / 9884	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 260	Date of Summary: 27-MAY-1998	First Sample Examined: 0
Lease Number: G07828	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12400
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12398
API Well Number: 177244081400	Drilling Operator: SOCO OFFSHORE INC	Rkb Elevation: 96
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 315
Public Info Code: Y 02-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8206 / 8205	DEF AT limestone	DEF AT
8896 / 8895	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
9806 / 9805	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11546 / 11545	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MP 280	Date of Summary: 21-APR-1999	First Sample Examined: 5090
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 11754
Well Name: C001	Paleo Done By: PALEO SOURCE	Borehole TVD: 11195
API Well Number: 177244081100	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 5090 - 11740	Water Depth: 300
Public Info Code: Y 03-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5090 / 5090	DEF AT first sample examined	POS AT 4
5420 / 5420	DEF IN Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
6460 / 6460	DEF AT Arenaceous fauna (local marker)	DEF AT 4
6760 / 6760	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
7210 / 7210	DEF AT unconformity	DEF AT 4
7330 / 7330	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
8920 / 8919	DEF AT unconformity	DEF AT 5
9220 / 9213	POS AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 5
9850 / 9790	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 5
10239 / 10104	DEF AT reworked material	DEF AT 5
10240 / 10105	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
10720 / 10462	DEF IN Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11740 / 11186	DEF AT last sample examined	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
5510 / 5497	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF AT
7520 / 7162	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT
8030 / 7557	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8060 / 7580	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
9380 / 8613	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus	DEF AT
10250 / 9319	DEF AT Upper Miocene (Tortonian) Discoaster prepentaradiatus (increase)	DEF AT
10820 / 9758	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
11000 / 9899	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
11180 / 10041	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11750 / 10482	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus	DEF AT
13070 / 11502	DEF AT Middle Miocene (Serravallian) Discoaster kugleri (acme)	DEF AT
14810 / 12855	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
15590 / 13453	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
15651 / 13501	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4700 / 4700	DEF AT first sample examined	DEF AT 3
5510 / 5497	POS AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
5630 / 5610	DEF AT - - - - -	DEF AT 4
5690 / 5666	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 5
7070 / 6812	DEF AT - - - - -	DEF AT 4
8240 / 7719	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 4
10249 / 9318	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 4
10250 / 9319	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 4
10280 / 9342	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF AT 4
10820 / 9758	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 4
11240 / 10088	POS AT Upper Miocene (Tortonian) Textularia "L"	DEF AT 4
11689 / 10434	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF AT 5
11690 / 10435	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 5
11780 / 10505	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 5
11840 / 10552	DEF AT Upper Miocene (Tortonian) Discamminoides tobleri	DEF AT 5
11960 / 10647	DEF AT Cyclammina cancellata (local marker)	DEF AT 4
12050 / 10717	DEF AT Upper Miocene (Tortonian) Haplophragmoides wilsoni (local acme)	DEF AT 4
12200 / 10832	DEF AT Eggerella sp. (local marker)	DEF AT 4
12230 / 10855	DEF AT local marker foram decrease	DEF AT 4
12770 / 11269	DEF AT Eggerella sp. (local marker)	DEF AT 4
13100 / 11525	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF AT 5
14839 / 12877	DEF AT Cyclammina cancellata (local marker)	DEF AT 5

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 280	Date of Summary: 26-MAY-1998	First Sample Examined: 4700
Lease Number: G16515	Source of Paleo: OPERATOR	Borehole MD: 15675
Well Name: C002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13520
API Well Number: 177244081500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 4700 - 15651	Water Depth: 300
Public Info Code: Y 19-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 003

MD / TVD	Paleo Top Description	Ecozone
14840 / 12878	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 5
15350 / 13265	DEF AT Middle Miocene (Serravallian) Gyroidina miocenica	DEF AT 5
15651 / 13501	DEF AT last sample examined	DEF AT 5

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 281	Date of Summary: 20-AUG-1999	First Sample Examined: 0
Lease Number: G10910	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14759
Well Name: A004	Paleo Done By: OPERATOR	Borehole TVD: 13387
API Well Number: 177244080600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 20-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9140 / 9097	DEF AT Upper Miocene (Tortonian) Bolivina thalmanni	DEF AT
9895 / 9709	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
10790 / 10377	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT
11970 / 11269	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 281	Date of Summary: 21-DEC-1997	First Sample Examined: 0
Lease Number: G16515	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10715
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 9099
API Well Number: 177244080200	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 307
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6240 / 5885	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MP 283	Date of Summary: 09-FEB-1998	First Sample Examined: 0
Lease Number: G13662	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14350
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 13220
API Well Number: 177244079902	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 295
Public Info Code: Y 14-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5940 / 5918	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
7590 / 7364	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9240 / 8806	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: MU 858	Date of Summary: 30-JAN-1998	First Sample Examined: 0
Lease Number: G12421	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15000
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 15000
API Well Number: 427024026400	Drilling Operator: HOUSTON EXPLORATION COMPANY	Rkb Elevation: 82
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 90
Public Info Code: Y 01-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7878 / 7878	DEF AT Upper Oligocene (Chattian) Discorbis gravelli	DEF AT
9442 / 9442	DEF AT Upper Oligocene (Chattian) Marginulina vaginata	DEF AT
12268 / 12268	DEF AT Upper Oligocene (Chattian) Cibicides hazzardi	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: PL 23	Date of Summary: 30-SEP-1997	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 17175
Well Name: D003	Paleo Done By: OPERATOR	Borehole TVD: 16589
API Well Number: 177134020500	Drilling Operator: STONE PETROLEUM CORPORATION	Rkb Elevation: 99
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 13-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13770 / 13455	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
15310 / 14888	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: PL 23	Date of Summary: 25-NOV-1998	First Sample Examined: 0
Lease Number: G01238	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 18814
Well Name: E001	Paleo Done By: OPERATOR	Borehole TVD: 18510
API Well Number: 177134020900	Drilling Operator: STONE ENERGY CORPORATION	Rkb Elevation: 98
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 60
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: N	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12690 / 12688	DEF AT Upper Miocene (Tortonian) Bigenerina irregularis / 6	DEF AT
13590 / 13580	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
16950 / 16763	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SA 12	Date of Summary: 08-MAR-1999	First Sample Examined: 0
Lease Number: G14590	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14131
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 13099
API Well Number: 177314007100	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7180 / 7084	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT
9870 / 9409	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT
10480 / 9925	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT
12470 / 11654	DEF AT Lower Miocene (Aquitanian) Siphonina davisii	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SM 23	Date of Summary: 24-JUN-1999	First Sample Examined: 0
Lease Number: 00778	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 20716
Well Name: J001	Paleo Done By: OPERATOR	Borehole TVD: 19200
API Well Number: 177074077300	Drilling Operator: PENNZENERGY EXPLORATION AND PRODUCTION LL	Rkb Elevation: 74
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 79
Public Info Code: Y 26-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14035 / 13986	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SM 39	Date of Summary: 25-MAR-1999	First Sample Examined: 0
Lease Number: G16320	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 14920
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 14850
API Well Number: 177074077000	Drilling Operator: EQUITABLE PRODUCTION COMPANY	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 92
Public Info Code: Y 14-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11300 / 11296	DEF AT Upper Miocene (Messinian) Textularia "X"	DEF AT
12590 / 12578	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: SM 73	Date of Summary: 27-FEB-1998	First Sample Examined: 4228
Lease Number: G17935	Source of Paleo: OPERATOR	Borehole MD: 12467
Well Name: D002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 11458
API Well Number: 177084084400	Drilling Operator: TAYLOR ENERGY COMPANY	Rkb Elevation: 136
Paleo Report Num: 1 of 1	Sample Range: 4228 - 12467	Water Depth: 137
Public Info Code: Y 22-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4228 / 4089	DEF AT first sample examined	DEF AT 2
4620 / 4436	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
5040 / 4808	DEF AT sample gap top	POS AT 3
5670 / 5362	DEF AT sample gap bottom	DEF AT 3
5820 / 5495	POS IN Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
8040 / 7481	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9600 / 8872	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF AT 3
11190 / 10271	POS AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
12467 / 11458	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SM 166	Date of Summary: 02-APR-2001	First Sample Examined: 0
Lease Number: G21624	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11107
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 6990
API Well Number: 177084088800	Drilling Operator: EL PASO EXPLORATION & PRODUCTION MANAGEMEN	Rkb Elevation: 90
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 07-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
1820 / 1647	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
9010 / 5349	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 14600
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 16589
Well Name: CB005	Paleo Done By: OPERATOR	Borehole TVD: 15344
API Well Number: 177074074800	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 146
Paleo Report Num: 1 of 1	Sample Range: 11000 - 16589	Water Depth: 60
Public Info Code: Y 05-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
14600 / 13620	DEF AT first sample examined	DEF	AT	3
14750 / 13750	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	1
15140 / 14090	DEF AT - - - - -	DEF	AT	2
15920 / 14759	DEF AT - - - - -	DEF	AT	3
16130 / 14942	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF	AT	3
16190 / 14994	DEF IN Upper Miocene (Tortonian) Discoaster prepentariatus	DEF	AT	3
16589 / 15344	DEF AT last sample examined	DEF	AT	3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SM 288	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: G02316	Source of Paleo: OPERATOR	Borehole MD: 17170
Well Name: CD001	Paleo Done By: OPERATOR	Borehole TVD: 16551
API Well Number: 177074074602	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 88
Paleo Report Num: 1 of 1	Sample Range: 10900 - 17170	Water Depth: 58
Public Info Code: Y 22-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

MD / TVD	Paleo Top Description	Ecozone
14770 / 14409	DEF AT first sample examined	DEF AT 3
15340 / 14919	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
15370 / 14946	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
15490 / 15053	DEF AT - - - - -	DEF AT 2
16570 / 16008	DEF AT - - - - -	DEF AT 3
17170 / 16552	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SP 57	Date of Summary: 23-JUL-1998	First Sample Examined: 5270
Lease Number: G02940	Source of Paleo: OPERATOR	Borehole MD: 9379
Well Name: B013	Paleo Done By: OPERATOR	Borehole TVD: 7968
API Well Number: 177214026502	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 123
Paleo Report Num: 1 of 1	Sample Range: 5270 - 9380	Water Depth: 190
Public Info Code: Y 06-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>	
5270 / 5096	DEF AT first sample examined	DEF	AT
5271 / 5097	DEF IN Lower Pliocene (Zanclian) Sphenolithus abies	DEF	AT
7580 / 6645	DEF AT faunal change (no faunal increase)	DEF	AT 2
8270 / 7056	DEF AT Upper Miocene (Messinian) Discoaster quinquaramus	POS	AT 2
8300 / 7077	DEF AT faunal change (no faunal increase)	DEF	AT 2
8480 / 7206	DEF AT faunal change (no faunal increase)	DEF	AT 3
9230 / 7763	DEF AT faunal change (no faunal increase)	DEF	AT 2
9380 /	DEF AT last sample examined	DEF	AT 2



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SS 59	Date of Summary: 24-SEP-1998	First Sample Examined: 0
Lease Number: G11977	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12650
Well Name: 002	Paleo Done By: OPERATOR	Borehole TVD: 12649
API Well Number: 177114126500	Drilling Operator: MURPHY EXPLORATION & PRODUCTIO	Rkb Elevation: 135
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 17
Public Info Code: Y 09-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9753 / 9753	DEF AT Upper Miocene (Tortonian) Robulus "E"	DEF AT
10288 / 10288	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
10828 / 10828	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
11512 / 11512	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SS 68	Date of Summary: 13-MAR-1998	First Sample Examined: 5200
Lease Number: G02917	Source of Paleo: OPERATOR	Borehole MD: 10350
Well Name: 009	Paleo Done By: GEORGE J. CONSTANCE, JR.	Borehole TVD: 10349
API Well Number: 177114126000	Drilling Operator: MOBIL OIL EXPLORATION & PRODUC	Rkb Elevation: 84
Paleo Report Num: 1 of 1	Sample Range: 5200 - 10350	Water Depth: 33
Public Info Code: Y 20-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5200 /	DEF AT first sample examined	DEF AT
6310 /	DEF AT Arenaceous fauna (local marker)	DEF AT
6370 /	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT
7360 /	DEF AT local marker (general)	DEF AT
9040 /	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9490 /	DEF AT local marker foram increase	DEF AT
10350 /	DEF AT last sample examined	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: SS 169	Date of Summary: 23-JUL-1998	First Sample Examined: 10900
Lease Number: 00820	Source of Paleo: OPERATOR	Borehole MD: 16000
Well Name: H012	Paleo Done By: OPERATOR	Borehole TVD: 15284
API Well Number: 177114125001	Drilling Operator: CHEVRON USA INC	Rkb Elevation: 87
Paleo Report Num: 1 of 1	Sample Range: 10900 - 15970	Water Depth: 56
Public Info Code: Y 16-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Company-integrated foram and nanno report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10900 / 10192	DEF AT first sample examined	DEF AT
10901 / 10193	DEF AT cement	DEF AT
10960 / 10250	DEF AT non-marine sediment	DEF AT 0
11020 / 10308	POS AT Upper Miocene (Messinian) Discoaster quinquaramus	DEF AT 3
11079 / 10366	DEF IN Lower Pliocene (Zancian) Globigerinoides mitra	DEF AT 3
11080 / 10367	POS IN Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 3
12430 / 11714	DEF AT - - - - -	DEF AT 4
13510 / 12794	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 4
13810 / 13094	DEF IN Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 4
14770 / 14054	POS AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 4
15016 / 14300	DEF AT local marker deep water fauna	DEF AT 4
15970 / 15254	DEF AT last sample examined	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: SS 283	Date of Summary: 22-JUL-1998	First Sample Examined: 3750
Lease Number: G15299	Source of Paleo: OPERATOR	Borehole MD: 14605
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14600
API Well Number: 177124058600	Drilling Operator: KERR-MCGEE OIL & GAS CORPORATION	Rkb Elevation: 103
Paleo Report Num: 1 of 1	Sample Range: 3750 - 14605	Water Depth: 187
Public Info Code: Y 11-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3750 / 3748	DEF AT first sample examined	DEF IN 3
5250 / 5248	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 4
5790 / 5788	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 4
5820 / 5818	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 4
6750 / 6748	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 5
6960 / 6958	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 5
7050 / 7048	DEF AT Upper Pliocene (Gelasian) Globorotalia praehirsuta	DEF AT 5
7260 / 7258	DEF AT local marker foram decrease	DEF AT 5
7500 / 7498	DEF AT Upper Pliocene (Gelasian) Globorotalia exilis	DEF AT 5
7830 / 7828	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 5
8100 / 8098	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 5
9000 / 8998	DEF AT sample gap top	POS AT 5
9990 / 9988	DEF AT sample gap bottom	DEF AT 5
12120 / 12118	POS AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
14605 / 14601	DEF AT last sample examined	DEF AT 5

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Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: SS 301	Date of Summary: 10-JUN-1998	First Sample Examined: 0
Lease Number: G10794	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11417
Well Name: A003	Paleo Done By: OPERATOR	Borehole TVD: 10197
API Well Number: 177124058400	Drilling Operator: PETROBRAS AMERICA INC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 261
Public Info Code: Y 24-MAY-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
10740 / 9550	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: ST 11	Date of Summary: 26-JUL-2001	First Sample Examined: 0
Lease Number: G13925	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12415
Well Name: 001	Paleo Done By: OPERATOR	Borehole TVD: 12065
API Well Number: 177154094900	Drilling Operator: BOIS D'ARC OFFSHORE LTD	Rkb Elevation: 86
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 30
Public Info Code: Y 05-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8800 / 8799	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: ST 70	Date of Summary: 04-OCT-2007	First Sample Examined: 9000
Lease Number: G24958	Source of Paleo: OPERATOR	Borehole MD: 24285
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 24275
API Well Number: 177154121900	Drilling Operator: MCMORAN OIL & GAS LLC	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 9000 - 24270	Water Depth: 60
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9000 / 8999	DEF AT first sample examined	DEF AT 2
9030 / 9029	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 2
9990 / 9989	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 2
10290 / 10289	POS IN Upper Miocene (Messinian) Discoaster quinquerramus	DEF AT 2
10560 / 10559	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 2
11670 / 11669	DEF AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 3
12810 / 12808	POS AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 3
13110 / 13108	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 4
13770 / 13767	DEF AT - - - - -	DEF AT 3
13920 / 13917	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 3
14580 / 14577	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 3
16890 / 16886	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
17190 / 17186	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 3
19200 / 19196	POS AT Upper Miocene (Tortonian) Uvigerina carapitana	DEF AT 3
19890 / 19885	POS AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT 3
24270 / 24260	DEF AT last sample examined	DEF AT 3

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4550 / 4549	DEF AT first sample examined	POS	AT	2
4551 / 4550	DEF AT transported inner shelf facies	POS	AT	2
4730 / 4729	DEF AT transported inner shelf facies	POS	AT	3
4970 / 4969	POS AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF	AT	4
5987 / 5986	POS AT unconformity	DEF	AT	4
5988 / 5987	DEF AT reworked material	DEF	AT	4
5989 / 5988	DEF IN Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF	AT	4
5990 / 5989	DEF IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF	AT	4
6140 / 6139	DEF AT local marker foram decrease	DEF	AT	4
7039 / 7038	DEF AT transported inner shelf facies	DEF	AT	4
7040 / 7039	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
7698 / 7697	DEF AT transported inner shelf facies	DEF	AT	4
7699 / 7698	POS AT maximum flooding surface	DEF	AT	4
7700 / 7699	DEF AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF	AT	4
7760 / 7759	DEF AT local marker foram decrease	DEF	AT	4
9509 / 9508	DEF AT transported inner shelf facies	DEF	IN	4
9510 / 9509	DEF AT Eggerella sp. (local marker)	DEF	IN	4
10020 / 10019	DEF AT unconformity	DEF	IN	4
11010 / 11009	POS AT Upper Miocene (Messinian) Textularia "X"	DEF	IN	4
12810 / 12809	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF	AT	5
13950 / 13949	DEF AT Arenaceous fauna (local marker)	DEF	AT	5
14910 / 14909	DEF AT unconformity	DEF	AT	5

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: ST 98	Date of Summary: 17-JUN-2005	First Sample Examined: 4550
Lease Number: G24962	Source of Paleo: OPERATOR	Borehole MD: 23080
Well Name: 001	Paleo Done By: PALEO SOURCE	Borehole TVD: 23074
API Well Number: 177154117200	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 110
Paleo Report Num: 1 of 1	Sample Range: 4550 - 23080	Water Depth: 60
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
15600 / 15599	DEF AT sample gap top	POS	AT	5
15990 / 15989	DEF AT sample gap bottom	DEF	AT	5
16260 / 16259	DEF AT Upper Miocene (Tortonian) Discoaster berggrenii "C"	DEF	IN	5
16530 / 16529	DEF AT unconformity	DEF	IN	5
16619 / 16618	DEF AT Upper Miocene (Messinian) Siphogenerina lamellata (acme)	DEF	IN	5
16620 / 16619	POS AT Upper Miocene (Tortonian) Planulina renzi	DEF	IN	5
17340 / 17338	DEF IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	6
17490 / 17488	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF	AT	6
17900 / 17898	DEF AT cement	DEF	AT	6
18480 / 18477	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF	AT	6
18510 / 18507	POS AT Upper Miocene (Tortonian) Minylitha convallis	DEF	AT	6
18690 / 18687	DEF AT local marker foram increase	DEF	AT	6
19650 / 19646	DEF AT cement	DEF	AT	6
20010 / 20006	POS AT local marker foram increase	DEF	AT	6
20250 / 20246	DEF AT drilling material	DEF	AT	6
21960 / 21956	DEF AT black shale	DEF	AT	6
22379 / 22374	POS AT reworked material	DEF	AT	6
22380 / 22375	POS AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF	AT	6
22920 / 22914	POS AT local marker foram increase	DEF	AT	6
23070 / 23063	POS AT local marker foram increase	DEF	AT	6
23080 / 23073	DEF AT last sample examined	DEF	AT	6

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: ST 217	Date of Summary: 16-APR-1998	First Sample Examined: 800
Lease Number: G13937	Source of Paleo: OPERATOR	Borehole MD: 8700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8700
API Well Number: 177164023600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 1 of 2	Sample Range: 800 - 8700	Water Depth: 144
Public Info Code: Y 28-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
800 / 800	DEF AT first sample examined	DEF AT 2
1730 / 1730	DEF AT faunal change (no faunal increase)	DEF AT 3
3830 / 3830	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
4700 / 4700	DEF AT faunal change (no faunal increase)	DEF AT 4
5420 / 5420	POS AT Lower Pleistocene (Calabrian) Hyaline "B" = Trimosina "B"	DEF AT 4
5900 / 5900	DEF AT faunal change (no faunal increase)	DEF AT 5
6470 / 6470	DEF AT faunal change (no faunal increase)	DEF AT 4
6680 / 6680	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 4
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 4
7610 / 7610	DEF AT faunal change (no faunal increase)	DEF AT 5
7640 / 7640	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 5
7760 / 7760	DEF AT faunal change (no faunal increase)	DEF AT 4
8700 / 8700	DEF AT last sample examined	DEF AT 4

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MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: ST 217	Date of Summary: 16-APR-1998	First Sample Examined: 4010
Lease Number: G13937	Source of Paleo: OPERATOR	Borehole MD: 8700
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8700
API Well Number: 177164023600	Drilling Operator: ENI PETROLEUM CO INC	Rkb Elevation: 100
Paleo Report Num: 2 of 2	Sample Range: 4010 - 8700	Water Depth: 144
Public Info Code: Y 28-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

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**Remark:** Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4010 / 4010	DEF AT first sample examined	DEF AT
4760 / 4760	DEF AT Lower Pleistocene (Calabrian) Pseudoemiliana lacunosa "C" (acme)	DEF AT
5000 / 5000	POS AT Lower Pleistocene (Calabrian) Gephyrocapsa caribbeanica (large)	DEF AT
5900 / 5900	DEF AT Lower Pleistocene (Calabrian) Helicosphaera sellii	DEF AT
6410 / 6410	DEF AT Lower Pleistocene (Calabrian) Calcidiscus macintyreii	DEF AT
7070 / 7070	POS IN Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
7550 / 7550	DEF AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
7610 / 7610	DEF AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
8700 / 8700	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7081	DEF AT first sample examined	DEF AT 3
8030 / 7127	DEF AT -----	DEF IN 3
8150 / 7220	DEF AT -----	DEF AT 3
8210 / 7266	DEF AT -----	DEF IN 3
8330 / 7359	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF IN 3
8750 / 7686	DEF AT -----	DEF AT 3
8870 / 7779	DEF AT -----	DEF AT 3
8990 / 7871	DEF AT -----	DEF IN 2
9150 / 7995	DEF AT -----	POS AT 3
9580 / 8327	DEF AT -----	POS IN 2
9700 / 8420	DEF AT -----	DEF AT 2
9730 / 8444	DEF AT -----	POS IN 2
9760 / 8467	DEF AT -----	DEF AT 3
9820 / 8513	DEF AT -----	POS IN 3
9849 / 8536	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	POS IN 3
9850 / 8537	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	POS IN 3
10000 / 8654	DEF AT -----	POS AT 3
10390 / 8955	DEF IN Upper Miocene (Tortonian) Textularia "L"	POS AT 3
10660 / 9163	DEF AT Upper Miocene (Tortonian) Globorotalia mayeri	DEF IN 3
10750 / 9232	DEF AT Eggerella sp. (local marker)	DEF IN 3
10780 / 9255	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 4
10930 / 9370	DEF AT local marker deep water fauna	DEF AT 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> VK 786	<b>Date of Summary:</b> 11-FEB-1998	<b>First Sample Examined:</b> 7970
<b>Lease Number:</b> G12119	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 12700
<b>Well Name:</b> A005	<b>Paleo Done By:</b> TOTAL BIOSTRATIGRPHIC SERVICES, INC.	<b>Borehole TVD:</b> 10747
<b>API Well Number:</b> 608164030100	<b>Drilling Operator:</b> TEXACO EXPLORATION AND PROD	<b>Rkb Elevation:</b> 80
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 7970 - 12700	<b>Water Depth:</b> 1754
<b>Public Info Code:</b> Y 02-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
11140 / 9531	DEF AT -----	DEF AT 3
11440 / 9763	DEF AT -----	POS IN 3
11650 / 9925	DEF AT -----	POS AT 3
11800 / 10040	DEF AT -----	DEF IN 2
11860 / 10087	DEF AT -----	DEF AT 3
11890 / 10110	DEF AT Cyclammina cancellata (local marker)	DEF AT 3
12010 / 10204	POS AT local marker foram increase	DEF AT 3
12070 / 10251	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF IN 3
12130 / 10298	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 4
12220 / 10368	DEF AT local marker deep water fauna	DEF AT 4
12340 / 10463	DEF AT -----	DEF IN 3
12460 / 10558	DEF AT local marker deep water fauna	DEF AT 4
12490 / 10581	DEF AT Middle Miocene (Langhian) Globorotalia siakensis (coiling change left/right)	DEF IN 4
12550 / 10629	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF IN 4
12580 / 10652	DEF AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF IN 4
12670 / 10724	DEF AT limestone	DEF IN 4
12700 / 10747	DEF AT last sample examined	DEF IN 4

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VK 786	Date of Summary: 11-FEB-1998	First Sample Examined: 7970
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 12700
Well Name: A005	Paleo Done By: TOTAL BIOSTRATIGRAPHIC SERVICES, INC.	Borehole TVD: 10747
API Well Number: 608164030100	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 7970 - 12700	Water Depth: 1754
Public Info Code: Y 02-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7970 / 7081	DEF AT first sample examined	DEF AT
7971 / 7082	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8209 / 7265	DEF AT floral flood	DEF AT
8210 / 7266	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
9639 / 8373	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
9640 / 8374	POS AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
9700 / 8420	DEF AT floral flood	DEF AT
9939 / 8606	DEF AT floral flood	DEF AT
9940 / 8607	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10480 / 9024	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
10720 / 9209	POS AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
10780 / 9255	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
10840 / 9301	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11799 / 10040	DEF AT Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11800 / 10040	POS AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
11920 / 10134	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
12460 / 10558	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT
12520 / 10605	DEF AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
12580 / 10652	DEF AT Middle Miocene (Langhian) Discoaster druggi	DEF AT
12640 / 10700	DEF AT floral flood	DEF AT
12700 / 10747	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VK 786	Date of Summary: 30-JAN-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 1 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6961	DEF AT first sample examined	DEF AT
8011 / 6962	DEF IN Upper Miocene (Tortonian) Discoaster neohamatus	DEF AT
8130 / 7051	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8550 / 7364	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
8850 / 7586	DEF AT Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT
10170 / 8556	DEF AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT
10230 / 8600	DEF AT Upper Miocene (Tortonian) Discoaster hamatus	DEF AT
10710 / 8957	DEF AT Upper Miocene (Tortonian) Discoaster hamatus (large)	DEF AT
10890 / 9090	DEF AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT
11250 / 9358	DEF AT Upper Miocene (Tortonian) Coccolithus miopelagicus	DEF AT
11490 / 9537	DEF AT Upper Miocene (Tortonian) Discoaster exilis	DEF AT
11730 / 9715	DEF AT Middle Miocene (Serravallian) Coccolithus miopelagicus (increase)	DEF AT
11790 / 9760	DEF IN Middle Miocene (Serravallian) Discoaster kugleri	DEF AT
11910 / 9849	DEF AT Middle Miocene (Serravallian) Discoaster divaricatus	DEF AT
12390 / 10207	DEF AT Middle Miocene (Serravallian) Discoaster sanmiguelensis	DEF AT
12450 / 10251	DEF AT Middle Miocene (Serravallian) Cyclicargolithus floridanus	DEF AT
12570 / 10341	DEF AT Middle Miocene (Serravallian) Sphenolithus moriformis	DEF AT
12630 / 10385	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
13552 /	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VK 786	Date of Summary: 05-MAR-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8010 / 6961	DEF AT first sample examined	DEF AT 3
8011 / 6962	DEF IN Upper Miocene (Tortonian) Robulus "E"	DEF AT 3
8220 / 7118	POS AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT 3
8730 / 7497	DEF AT - - - - -	DEF AT 2
8850 / 7586	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 3
9030 / 7717	DEF AT - - - - -	DEF AT 2
9900 / 8357	DEF AT Arenaceous fauna (local marker)	DEF AT 2
10200 / 8578	DEF AT Upper Miocene (Tortonian) Globorotalia linguaensis	DEF AT 3
10470 / 8779	DEF AT Upper Miocene (Tortonian) Bolivina thalmani	DEF AT 3
10740 / 8979	DEF AT Upper Miocene (Tortonian) Cibicides crebbisi	DEF AT 3
10950 / 9134	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT 3
11130 / 9269	POS AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11220 / 9336	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 3
11490 / 9537	DEF AT - - - - -	DEF AT 4
11640 / 9648	DEF AT Arenaceous fauna (local marker)	DEF AT 4
11850 / 9805	DEF AT - - - - -	DEF AT 3
12390 / 10207	DEF AT reworked material	DEF AT 3
12450 / 10251	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 3
12540 / 10318	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF AT 3
12690 / 10429	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
12720 / 10452	DEF AT - - - - -	DEF AT 4
12780 / 10496	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 4

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VK 786	Date of Summary: 05-MAR-1998	First Sample Examined: 8010
Lease Number: G12119	Source of Paleo: OPERATOR	Borehole MD: 13550
Well Name: A006	Paleo Done By: TOTAL BIOSTRATIGRPHIC SERVICES, INC.	Borehole TVD: 11054
API Well Number: 608164030200	Drilling Operator: TEXACO EXPLORATION AND PROD	Rkb Elevation: 80
Paleo Report Num: 2 of 2	Sample Range: 8010 - 13552	Water Depth: 1751
Public Info Code: Y 14-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 002

MD / TVD	Paleo Top Description	Ecozone
12870 / 10562	DEF AT - - - - -	DEF AT 3
13140 / 10759	DEF AT - - - - -	DEF AT 4
13170 / 10781	DEF AT local marker foram increase	DEF AT 4
13469 / 10996	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 4
13470 / 10997	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 4
13552 /	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VK 826	Date of Summary: 22-JAN-2002	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 11850
Well Name: A009	Paleo Done By: OPERATOR	Borehole TVD: 10808
API Well Number: 608164032501	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 25-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5576 / 5155	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6681 / 6036	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8098 / 7289	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8827 / 7969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
11612 / 10582	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VK 826	Date of Summary: 14-JAN-1999	First Sample Examined: 0
Lease Number: G06888	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 12814
Well Name: A010	Paleo Done By: OPERATOR	Borehole TVD: 11084
API Well Number: 608164032601	Drilling Operator: ORYX ENERGY COMPANY	Rkb Elevation: 72
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 1932
Public Info Code: Y 31-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: Company-integrated foram and nanno report, in=sand

MD / TVD	Paleo Top Description	Ecozone
5548 / 5536	DEF IN Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
6897 / 6633	DEF IN Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
8590 / 7685	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
9866 / 8458	DEF IN Upper Miocene (Tortonian) Textularia "L"	DEF AT
10460 / 8896	DEF IN Upper Miocene (Tortonian) Cibicides carstensi	DEF AT
12355 / 10659	DEF IN Middle Miocene (Serravallian) Textularia "W"	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VR 27	Date of Summary: 13-APR-2004	First Sample Examined: 8000
Lease Number: G24820	Source of Paleo: OPERATOR	Borehole MD: 15670
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15409
API Well Number: 177054119400	Drilling Operator: HUNT PETROLEUM (AEC) INC	Rkb Elevation: 85
Paleo Report Num: 1 of 1	Sample Range: 8000 - 15670	Water Depth: 13
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

## Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
8000 / 8000	DEF AT first sample examined	DEF IN 3
8690 / 8690	POS AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF IN 3
8870 / 8870	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi robusta	DEF IN 3
8960 / 8960	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF IN 3
9530 / 9530	DEF AT Middle Miocene (Serravallian) Globorotalia fohsi fohsi	DEF IN 3
9650 / 9650	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 3
10400 / 10400	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF IN 3
11270 / 11263	POS AT Middle Miocene (Langhian) Globigerinatella insueta	DEF IN 3
12600 / 12527	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF IN 3
13050 / 12955	DEF AT Middle Miocene (Langhian) Cibicides 38	DEF IN 3
15670 / 15409	DEF AT last sample examined	DEF IN 3

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Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VR 215	Date of Summary: 30-MAR-2000	First Sample Examined: 0
Lease Number: G01140	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 13163
Well Name: B003	Paleo Done By: OPERATOR	Borehole TVD: 12468
API Well Number: 177052002001	Drilling Operator: NEWFIELD EXPLORATION COMPANY	Rkb Elevation: 117
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 126
Public Info Code: Y 29-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001
Remark: In=sand		

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12660 / 12017	DEF IN Lower Pliocene (Zanclian) Buliminella 1	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 1 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT 2
5020 / 5020	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 2
6070 / 6070	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 2
7780 / 7780	DEF AT - - - - -	DEF AT 3
8020 / 8020	POS IN Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
9250 / 9250	POS IN Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 3
9550 / 9550	DEF AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 3
10600 / 10599	DEF AT - - - - -	DEF AT 4
10630 / 10629	DEF AT Lower Pliocene (Zanclian) Buliminella 1	DEF AT 4
11200 / 11198	DEF AT - - - - -	DEF AT 3
11710 / 11708	POS IN Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 3
12640 / 12637	DEF AT - - - - -	DEF AT 4
13210 / 13207	POS AT Upper Miocene (Messinian) Textularia "X"	DEF AT 4
13560 / 13557	POS AT Upper Miocene (Messinian) Textularia tatumi	DEF AT 4
14290 / 14287	DEF AT - - - - -	DEF AT 5
14770 / 14767	DEF AT - - - - -	DEF AT 6
14860 / 14857	POS AT Upper Miocene (Tortonian) Robulus "E"	DEF AT 6
15970 / 15961	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT 6
16030 / 16020	DEF AT Upper Miocene (Tortonian) Melonis pompilioides (increase)	DEF AT 6
16330 / 16313	DEF AT sample gap top	POS AT 6
16420 / 16402	DEF AT sample gap bottom	DEF AT 6
17455 / 17435	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: VR 227	Date of Summary: 01-FEB-2005	First Sample Examined: 4540
Lease Number: G24847	Source of Paleo: OPERATOR	Borehole MD: 17455
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17435
API Well Number: 177054121600	Drilling Operator: NOBLE ENERGY INC	Rkb Elevation: 81
Paleo Report Num: 2 of 2	Sample Range: 4540 - 17455	Water Depth: 125
Public Info Code: Y 31-MAY-2008	Ecozone Eq MMS:	Paleo ID: 002

**Remark:** Calcareous nannofossil report, species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4540 / 4540	DEF AT first sample examined	DEF AT
5080 / 5080	POS AT Lower Pleistocene (Calabrian) Calcidiscus macintyre	DEF AT
5980 / 5980	POS AT Upper Pliocene (Gelasian) Discoaster brouweri	DEF AT
6190 / 6190	POS AT Upper Pliocene (Gelasian) Discoaster surculus	DEF AT
6670 / 6670	POS AT Upper Pliocene (Piacenzian) Discoaster tamalis	DEF AT
7960 / 7960	POS AT Lower Pliocene (Zanclian) Sphenolithus abies	DEF AT
8170 / 8170	POS AT Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT
9220 / 9220	POS AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT
10810 / 10808	POS AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13210 / 13207	POS AT Upper Miocene (Messinian) Discoaster quinquenarius	DEF AT
13240 / 13237	POS AT Upper Miocene (Messinian) Discoaster quinquenarius (increase)	DEF AT
14500 / 14497	POS AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT
15220 / 15217	POS AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT
15370 / 15367	POS AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT
16029 / 16019	DEF AT Upper Miocene (Tortonian) Minylitha convallis	DEF AT
16030 / 16020	DEF AT Upper Miocene (Tortonian) Catinaaster mexicanus	DEF AT
16330 / 16313	DEF AT sample gap top	DEF AT
16420 / 16402	DEF AT sample gap bottom	DEF AT
16780 / 16760	POS AT Upper Miocene (Tortonian) Discoaster prepentariatus	DEF AT
17455 / 17435	DEF AT last sample examined	DEF AT

**This report contains public paleo reports only for the time period stated**

UNITED STATES DEPARTMENT OF THE INTERIOR  
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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> VR 279	<b>Date of Summary:</b> 03-MAR-1998	<b>First Sample Examined:</b> 12153
<b>Lease Number:</b> G11881	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 13948
<b>Well Name:</b> A011	<b>Paleo Done By:</b> THOMAS REILLY	<b>Borehole TVD:</b> 12310
<b>API Well Number:</b> 177064080801	<b>Drilling Operator:</b> W & T OFFSHORE INC	<b>Rkb Elevation:</b> 128
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 12153 - 13938	<b>Water Depth:</b> 180
<b>Public Info Code:</b> Y 19-MAR-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12153 / 10629	DEF AT first sample examined	DEF IN 2
12154 / 10630	POS IN Lower Pliocene (Zanclian) Buccella (Eponides) hannai (acme)	DEF IN 2
12273 / 10722	DEF AT - - - - -	DEF IN 1
12620 / 11009	DEF AT Eggerella sp. (local marker)	DEF IN 1
12747 / 11126	DEF AT Arenaceous fauna (local marker)	DEF IN 1
13408 / 11771	DEF AT Cyclammina sp. (local marker)	DEF IN 1
13845 / 12207	DEF AT Eggerella sp. (local marker)	DEF IN 1
13908 / 12270	DEF AT last sample examined	DEF IN 1



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VR 279	Date of Summary: 03-MAR-1998	First Sample Examined: 12153
Lease Number: G11881	Source of Paleo: OPERATOR	Borehole MD: 13948
Well Name: A011	Paleo Done By: THOMAS REILLY	Borehole TVD: 12310
API Well Number: 177064080801	Drilling Operator: W & T OFFSHORE INC	Rkb Elevation: 128
Paleo Report Num: 2 of 2	Sample Range: 12153 - 13938	Water Depth: 180
Public Info Code: Y 19-MAR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12153 / 10629	DEF AT first sample examined	DEF AT
13845 / 12207	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT
13938 / 12300	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: VR 309	Date of Summary: 18-JUN-1998	First Sample Examined: 6000
Lease Number: G16310	Source of Paleo: OPERATOR	Borehole MD: 9357
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9200
API Well Number: 177064081200	Drilling Operator: SENECA RESOURCES CORPORATION	Rkb Elevation: 66
Paleo Report Num: 1 of 1	Sample Range: 6000 - 9357	Water Depth: 206
Public Info Code: Y 18-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

MD / TVD	Paleo Top Description	Ecozone
6000 / 5999	DEF AT first sample examined	POS AT 3
6540 / 6539	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 3
7260 / 7259	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
8220 / 8199	POS AT Upper Pliocene (Piacenzian) Haplophragmoides emaciatum	DEF AT 4
8310 / 8281	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 4
8640 / 8582	DEF AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 4
9357 / 9201	DEF AT last sample examined	DEF AT 4

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 34	Date of Summary: 11-MAR-1998	First Sample Examined: 0
Lease Number: G03251	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 8866
Well Name: D010	Paleo Done By: OPERATOR	Borehole TVD: 8428
API Well Number: 177004098500	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 05-MAR-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6805 / 6655	DEF AT Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
7635 / 7376	DEF AT deepwater facies Harang	DEF AT
8527 / 8141	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> WC 40	<b>Date of Summary:</b> 23-JUL-2004	<b>First Sample Examined:</b> 4456
<b>Lease Number:</b> G24704	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 16507
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 16500
<b>API Well Number:</b> 177004119600	<b>Drilling Operator:</b> DOMINION EXPLORATION & PRODUCTION INC	<b>Rkb Elevation:</b> 96
<b>Paleo Report Num:</b> 1 of 2	<b>Sample Range:</b> 4456 - 16507	<b>Water Depth:</b> 32
<b>Public Info Code:</b> Y 30-JUN-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

**Remark:** Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
4456 / 4456	DEF AT first sample examined	DEF	AT	2
6120 / 6119	POS IN Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF	AT	2
6900 / 6899	POS IN Upper Miocene (Tortonian) Discorbis 12	DEF	AT	2
7050 / 7049	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF	AT	2
9210 / 9208	DEF AT Lower Miocene (Burdigalian) Cristellaria "A"	DEF	AT	2
11100 / 11097	DEF IN Lower Miocene (Burdigalian) Globigerina binaensis	DEF	AT	3
14280 / 14275	DEF AT Lower Miocene (Aquitanian) Siphonina davis	DEF	AT	3
14490 / 14485	DEF AT faunal change (no faunal increase)	DEF	AT	4
15000 / 14994	POS AT Lower Miocene (Aquitanian) Cristellaria "R"	DEF	AT	3
15660 / 15654	DEF AT Upper Oligocene (Chattian) Robulus "A"	DEF	AT	3
16507 / 16500	DEF AT last sample examined	DEF	AT	3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 40	Date of Summary: 16-AUG-2004	First Sample Examined: 11010
Lease Number: G24704	Source of Paleo: OPERATOR	Borehole MD: 16507
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 16500
API Well Number: 177004119600	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 96
Paleo Report Num: 2 of 2	Sample Range: 11010 - 16507	Water Depth: 32
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
11010 / 11007	DEF AT first sample examined	DEF AT
11220 / 11217	POS AT Middle Miocene (Langhian) Discoaster calculosus	DEF AT
11640 / 11637	DEF AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
14609 / 14604	DEF AT Lower Miocene (Burdigalian) Discoaster calculosus (increase)	DEF AT
14610 / 14605	POS AT Lower Miocene (Aquitanian) Helicosphaera recta	DEF AT
16507 / 16500	DEF AT last sample examined	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5350 / 5350	DEF AT first sample examined	DEF IN 1
5351 / 5351	DEF IN Upper (Late) Miocene	DEF IN 1
5439 / 5439	DEF AT Upper Miocene (Tortonian) Eponides mansfieldi	DEF IN 1
5440 / 5440	DEF AT Upper Miocene (Tortonian) Bigenerina "B"	DEF IN 1
5500 / 5500	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF IN 1
5680 / 5680	DEF AT miliolid limestone	DEF AT 2
5740 / 5740	DEF AT Upper Miocene (Tortonian) Cibicides inflata	DEF AT 2
5769 / 5769	DEF AT Upper Miocene (Tortonian) Cibicides carstensi	DEF AT 2
5770 / 5770	DEF AT Upper Miocene (Tortonian) Bigenerina 2	DEF AT 2
5860 / 5860	DEF AT - - - - -	DEF IN 1
5890 / 5890	DEF AT local marker foram decrease	DEF IN 1
6010 / 6010	DEF AT local marker benthic foram increase	DEF AT 2
6040 / 6040	DEF AT Upper Miocene (Tortonian) Uvigerina 3	DEF AT 2
6370 / 6370	DEF AT Middle Miocene (Serravallian) Robulus 5 / 55	DEF AT 2
6460 / 6460	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 2
6490 / 6490	DEF AT local marker foram decrease	DEF AT 2
6610 / 6610	DEF AT local marker benthic foram increase	DEF AT 2
6700 / 6700	DEF AT local marker foram decrease	DEF AT 2
6820 / 6820	DEF AT local marker planktic foram increase	DEF AT 2
6880 / 6880	DEF AT local marker foram decrease	DEF AT 2
6970 / 6970	DEF AT Middle Miocene (Serravallian) Cibicides opima	DEF AT 2
7000 / 7000	DEF AT local marker foram decrease	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7300 / 7300	DEF AT - - - - -	DEF IN 1
7960 / 7960	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
7990 / 7990	DEF AT Middle Miocene (Langhian) Globigerinoides sicanus	DEF AT 2
8050 / 8050	DEF AT miliolid limestone	DEF AT 2
8110 / 8110	DEF AT Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 2
8170 / 8170	DEF AT local marker benthic foram increase	DEF IN 2
8200 / 8200	DEF AT local marker foram decrease	DEF AT 2
8470 / 8470	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8500 / 8500	DEF AT local marker benthic foram increase	DEF AT 2
8530 / 8530	DEF AT local marker foram decrease	DEF AT 2
8560 / 8560	DEF AT local marker benthic foram increase	DEF AT 2
8770 / 8770	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8890 / 8890	DEF AT local marker foram decrease	DEF IN 1
9520 / 9520	DEF AT local marker benthic foram increase	DEF IN 1
9640 / 9639	DEF AT Lower Miocene (Burdigalian) Camerina 1	DEF IN 1
9850 / 9849	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF IN 1
10210 / 10209	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10290 / 10289	DEF AT local marker foram decrease	DEF AT 2
10410 / 10409	DEF IN Lower Miocene (Burdigalian) Cristellaria "A"	DEF IN 2
10500 / 10499	DEF AT - - - - -	DEF AT 2
10620 / 10619	DEF AT local marker foram increase	DEF IN 2
10710 / 10709	DEF AT local marker foram increase	DEF IN 2
10740 / 10739	DEF AT local marker foram decrease	DEF AT 2
10920 / 10919	DEF AT local marker benthic foram increase	DEF IN 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
11040 / 11039	DEF AT local marker benthic foram increase	DEF	IN	2
11070 / 11069	DEF AT Arenaceous fauna (local marker)	DEF	IN	2
11490 / 11489	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF	IN	2
11520 / 11519	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF	IN	2
11700 / 11699	DEF AT faunal change (no faunal increase)	DEF	IN	2
11850 / 11849	DEF AT local marker benthic foram increase	DEF	IN	2
12120 / 12119	DEF AT local marker foram decrease	DEF	AT	2
12570 / 12569	DEF AT - - - - -	DEF	IN	1
12840 / 12839	DEF AT Arenaceous fauna (local marker)	DEF	AT	2
12870 / 12869	DEF AT local marker foram decrease	DEF	AT	2
13230 / 13229	POS AT reworked material	DEF	AT	2
13350 / 13349	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF	AT	2
13380 / 13379	DEF AT Lower Miocene (Burdigalian) Gyroidina 8	DEF	IN	2
13440 / 13439	DEF AT local marker benthic foram increase	DEF	AT	3
13740 / 13739	DEF AT Eggerella sp. (local marker)	DEF	AT	3
13830 / 13829	DEF AT local marker foram decrease	DEF	AT	3
13860 / 13859	DEF AT local marker benthic foram increase	DEF	AT	3
13920 / 13919	DEF AT Arenaceous fauna (local marker)	DEF	IN	2
14010 / 14009	DEF AT local marker foram decrease	DEF	IN	2
14460 / 14459	POS AT local marker benthic foram increase	DEF	AT	2
14610 / 14609	DEF AT local marker benthic foram increase	DEF	IN	2
14700 / 14699	DEF AT local marker foram decrease	DEF	AT	2
15030 / 15029	DEF AT local marker benthic foram increase	DEF	AT	2
15150 / 15149	DEF AT local marker foram decrease	DEF	AT	2

This report contains public paleo reports only for the time period stated



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 63	Date of Summary: 17-JAN-2005	First Sample Examined: 5350
Lease Number: G24705	Source of Paleo: OPERATOR	Borehole MD: 17133
Well Name: 001	Paleo Done By: BANE AND SCHUNICK	Borehole TVD: 17132
API Well Number: 177004121300	Drilling Operator: CHEVRON TEXACO CORP.	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 5350 - 17133	Water Depth: 35
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
16020 / 16019	DEF AT Arenaceous fauna (local marker)	DEF IN 2
16260 / 16259	DEF AT local marker foram decrease	DEF IN 2
16410 / 16409	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF AT 2
16470 / 16469	DEF AT - - - - -	DEF AT 2
16590 / 16589	DEF AT local marker planktic foram increase	DEF IN 2
16680 / 16679	DEF AT local marker foram decrease	DEF AT 2
17133 / 17131	DEF AT last sample examined	DEF AT 2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 66	Date of Summary: 30-JAN-1998	First Sample Examined: 0
Lease Number: G02819	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9411
Well Name: C005	Paleo Done By: OPERATOR	Borehole TVD: 8395
API Well Number: 177004098300	Drilling Operator: VASTAR RESOURCES INC.	Rkb Elevation: 116
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 32
Public Info Code: Y 23-JAN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7205 / 6503	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT
8013 / 7185	DEF AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT
8906 / 7954	DEF IN Middle Miocene (Langhian) Amphistegina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 98	Date of Summary: 01-SEP-2005	First Sample Examined: 4963
Lease Number: G12757	Source of Paleo: OPERATOR	Borehole MD: 17560
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16517
API Well Number: 177004123100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 4963 - 17560	Water Depth: 41
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Paleo done by Rashel N Rosen, foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
4963 / 4963	DEF AT first sample examined	DEF AT 0
5040 / 5040	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT 0
5310 / 5309	POS AT Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 0
6030 / 6002	DEF AT -----	DEF AT 1
6390 / 6334	DEF AT Middle Miocene (Serravallian) Bigenerina humblei	DEF IN 1
6540 / 6472	DEF AT -----	DEF IN 2
7770 / 7594	DEF AT -----	DEF AT 1
7830 / 7649	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 1
8130 / 7923	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 2
8310 / 8088	DEF AT -----	DEF AT 1
8490 / 8252	DEF AT -----	DEF AT 2
8760 / 8497	DEF AT -----	DEF AT 1
9720 / 9377	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF IN 1
10500 / 10119	DEF AT -----	DEF AT 2
11550 / 11123	POS AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 2
11640 / 11208	DEF AT local marker benthic foram increase	DEF AT 2
11910 / 11464	DEF AT -----	DEF IN 2
12960 / 12460	DEF AT -----	DEF AT 1
13080 / 12572	DEF AT -----	DEF AT 2
13440 / 12901	DEF AT pyrite	DEF AT 2
14040 / 13409	DEF AT foram flood	DEF AT 3
15180 / 14376	DEF AT -----	DEF AT 2

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 98	Date of Summary: 01-SEP-2005	First Sample Examined: 4963
Lease Number: G12757	Source of Paleo: OPERATOR	Borehole MD: 17560
Well Name: 003	Paleo Done By: OPERATOR	Borehole TVD: 16517
API Well Number: 177004123100	Drilling Operator: MARINER GULF OF MEXICO LLC	Rkb Elevation: 112
Paleo Report Num: 1 of 1	Sample Range: 4963 - 17560	Water Depth: 41
Public Info Code: Y 01-MAR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
15270 / 14455	DEF AT - - - - -	DEF IN 2
16020 / 15116	POS AT Lower Miocene (Aquitanian) Siphonina davis	DEF IN 2
17189 / 16155	DEF AT local marker planktic foram increase	DEF AT 3
17190 / 16156	DEF IN Lower Miocene (Aquitanian) Siphonina davis	DEF AT 3
17460 / 16419	DEF AT - - - - -	DEF AT 2
17560 / 16517	DEF AT last sample examined	DEF AT 2

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 129	Date of Summary: 26-APR-2004	First Sample Examined: 7980
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 18103
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177004118500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 7980 - 18090	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7980 / 7980	DEF AT first sample examined	DEF AT 2
8040 / 8040	DEF IN Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 2
8280 / 8280	POS AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 2
8430 / 8430	DEF AT - - - - -	DEF AT 3
8820 / 8820	POS AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
8970 / 8970	DEF AT - - - - -	DEF AT 2
9810 / 9810	DEF AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 2
12240 / 12240	DEF AT - - - - -	DEF AT 3
12450 / 12449	DEF AT Lower Miocene (Burdigalian) Robulus chambersi	DEF AT 3
13920 / 13919	DEF AT Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 3
13980 / 13979	DEF AT - - - - -	DEF AT 4
14550 / 14549	DEF AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 4
14579 / 14578	DEF AT pyrite	DEF AT 4
14580 / 14579	DEF AT Lower Miocene (Burdigalian) Siphogenerina fredsmithi	DEF AT 4
15450 / 15448	DEF AT local marker foram increase	DEF AT 4
15510 / 15508	DEF AT local marker foram decrease	DEF AT 4
16410 / 16407	POS AT Lower Miocene (Aquitania) Siphonina davis	DEF AT 4
16470 / 16467	DEF AT local marker benthic foram increase	DEF AT 4
16620 / 16617	DEF AT - - - - -	DEF AT 3
18090 / 18087	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 129	Date of Summary: 27-APR-2004	First Sample Examined: 7980
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 18103
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 18100
API Well Number: 177004118500	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 7980 - 18090	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
7980 / 7980	DEF AT first sample examined	DEF AT
7981 / 7981	DEF IN Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT
8280 / 8280	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperta	DEF AT
11700 / 11700	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT
13860 / 13859	DEF IN Lower Miocene (Burdigalian) Orthorhabdus serratus	DEF AT
15360 / 15359	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
18090 / 18087	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 129	Date of Summary: 26-APR-2004	First Sample Examined: 14010
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 17902
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17100
API Well Number: 177004118501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 1 of 2	Sample Range: 14010 - 17902	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

MD / TVD	Paleo Top Description	Ecozone
14010 / 14009	DEF AT first sample examined	DEF AT 4
14011 / 14010	DEF IN Lower Miocene (Burdigalian) Marginulina ascensionensis / "A"	DEF AT 4
16470 / 16093	DEF AT faunal change (no faunal increase)	DEF AT 3
17902 / 17100	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 129	Date of Summary: 27-APR-2004	First Sample Examined: 14010
Lease Number: G24711	Source of Paleo: OPERATOR	Borehole MD: 17902
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 17100
API Well Number: 177004118501	Drilling Operator: DOMINION EXPLORATION & PRODUCTION INC	Rkb Elevation: 86
Paleo Report Num: 2 of 2	Sample Range: 14010 - 17902	Water Depth: 39
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
14010 / 14009	DEF AT first sample examined	DEF AT
15420 / 15326	POS AT Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT
17902 / 17100	DEF AT last sample examined	DEF AT



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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 170	Date of Summary: 27-AUG-1998	First Sample Examined: 9500
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 14549
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 14271
API Well Number: 177004098000	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 9500 - 14549	Water Depth: 34
Public Info Code: Y 26-FEB-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
9500 / 9499	DEF AT first sample examined	DEF AT 3
9501 / 9500	DEF IN Middle Miocene (Serravallian) Bigenerina humblei	DEF AT 3
10200 / 10199	DEF AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 3
11844 / 11843	DEF AT sample gap top	POS AT 3
12000 / 11999	DEF AT sample gap bottom	DEF AT 3
12470 / 12467	DEF IN Middle Miocene (Serravallian) Cristellaria "I"	DEF AT 3
12680 / 12672	DEF AT Middle Miocene (Langhian) Amphistegina "B"	DEF AT 3
12830 / 12816	DEF AT Middle Miocene (Langhian) Robulus "L" / 43	DEF AT 3
14549 / 14276	DEF AT last sample examined	DEF AT 3

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 170	Date of Summary: 27-AUG-1998	First Sample Examined: 13350
Lease Number: G04085	Source of Paleo: OPERATOR	Borehole MD: 15813
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 15320
API Well Number: 177004098002	Drilling Operator: NEXEN PETROLEUM OFFSHORE USA INC	Rkb Elevation: 95
Paleo Report Num: 1 of 1	Sample Range: 13350 - 15810	Water Depth: 34
Public Info Code: Y 24-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
13350 / 13291	DEF AT first sample examined	DEF AT 3
14585 / 14305	POS AT Lower Miocene (Burdigalian) Robulus 54B	DEF AT 3
15810 / 15439	DEF AT last sample examined	DEF AT 3

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 172	Date of Summary: 24-FEB-1998	First Sample Examined: 0
Lease Number: G01998	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9050
Well Name: 016	Paleo Done By: OPERATOR	Borehole TVD: 7554
API Well Number: 177004098400	Drilling Operator: IP PETROLEUM COMPANY INC	Rkb Elevation: 102
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 49
Public Info Code: Y 28-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6990 / 5983	DEF AT Upper Miocene (Tortonian) Cristellaria "K"	DEF AT
7330 / 6241	DEF AT Upper Miocene (Tortonian) Discorbis 12	DEF AT
8290 / 6969	DEF AT Upper Miocene (Tortonian) Textularia "L"	DEF AT
8705 / 7287	DEF AT Middle Miocene (Serravallian) Textularia "W"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 489	Date of Summary: 17-NOV-2005	First Sample Examined: 6354
Lease Number: G24760	Source of Paleo: OPERATOR	Borehole MD: 15142
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13137
API Well Number: 177024134301	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6354 - 15140	Water Depth: 142
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
6354 / 6354	DEF AT first sample examined	DEF AT 2
6610 / 6610	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT 3
7359 / 7357	DEF AT Upper Pliocene (Piacenzian) Globorotalia multicamerata	DEF AT 3
7360 / 7358	POS AT Upper Pliocene (Piacenzian) Globoquadrina altispira	DEF AT 3
7540 / 7538	DEF AT - - - - -	DEF AT 4
8540 / 8533	DEF AT Lower Pliocene (Zanclian) Buccella (Eponides) hannah (acme)	DEF AT 4
8900 / 8882	POS IN Lower Pliocene (Zanclian) Reticulofenestra pseudoumbilica	DEF AT 5
8959 / 8938	DEF AT Lower Pliocene (Zanclian) Pseudosphenolithus abies "B" (acme)	DEF AT 5
8960 / 8939	DEF AT Lower Pliocene (Zanclian) Globorotalia margaritae	DEF AT 5
9289 / 9246	DEF AT Lower Pliocene (Zanclian) Sphenolithus abies "B"	DEF AT 6
9290 / 9247	DEF AT Lower Pliocene (Zanclian) Globigerina nepenthes	DEF AT 6
9499 / 9434	DEF AT Lower Pliocene (Zanclian) Amaurolithus tricorniculatus	DEF AT 6
9500 / 9435	DEF AT Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 6
9620 / 9542	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 6
9680 / 9595	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 6
9770 / 9673	DEF AT Upper Miocene (Messinian) Globorotalia menardii (coiling change right/left)	DEF AT 6
9830 / 9725	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus (increase)	DEF AT 6
10610 / 10314	DEF AT Upper Miocene (Messinian) Discoaster berggrenii	DEF AT 6
10640 / 10334	DEF AT Upper Miocene (Messinian) Reticulofenestra rotaria	DEF AT 6
10820 / 10450	DEF AT Upper Miocene (Messinian) Globorotalia margaritae primitiva	DEF AT 6
11569 / 10903	POS AT salt weld	DEF AT 6
11570 / 10903	DEF AT Lower Miocene (Aquitanian) Cyclocargolithus abisectus	DEF AT 6

**This report contains public paleo reports only for the time period stated**

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 489	Date of Summary: 17-NOV-2005	First Sample Examined: 6354
Lease Number: G24760	Source of Paleo: OPERATOR	Borehole MD: 15142
Well Name: A002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 13137
API Well Number: 177024134301	Drilling Operator: GRYPHON EXPLORATION COMPANY	Rkb Elevation: 126
Paleo Report Num: 1 of 1	Sample Range: 6354 - 15140	Water Depth: 142
Public Info Code: Y 30-APR-2008	Ecozone Eq MMS: Y	Paleo ID: 001

MD / TVD	Paleo Top Description	Ecozone
14540 / 12761	DEF AT Upper Miocene (Messinian) Discoaster berggrenii "A"	DEF AT 6
14750 / 12895	DEF AT Upper Miocene (Tortonian) Discoaster calcaris	DEF AT 6
14960 / 13024	DEF AT Upper Miocene (Tortonian) Discoaster loeblichii	DEF AT 6
15140 / 13136	DEF AT last sample examined	DEF AT 6

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WC 598	Date of Summary: 13-JAN-1998	First Sample Examined: 5330
Lease Number: G17815	Source of Paleo: OPERATOR	Borehole MD: 10851
Well Name: A001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 9809
API Well Number: 177024117700	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 5330 - 10850	Water Depth: 256
Public Info Code: Y 15-JAN-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
5330 / 5048	DEF AT first sample examined	POS AT 3
5331 / 5049	DEF AT cement	POS AT 3
5600 / 5277	DEF AT local marker benthic foram increase	DEF AT 3
5660 / 5328	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "A")	DEF AT 3
5930 / 5556	DEF AT Lower Pleistocene (Calabrian) Trimosina "A" (acme)	DEF AT 3
6920 / 6387	DEF AT Lower Pleistocene (Calabrian) Sphaeroidinella dehiscens (acme "B")	DEF AT 3
7670 / 7012	POS AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT 4
7970 / 7261	DEF AT Lower Pleistocene (Calabrian) Uvigerina hispida	DEF AT 4
8000 / 7286	DEF AT Upper Pliocene (Gelasian) Globorotalia crassula (acme)	DEF AT 4
8030 / 7311	DEF AT local marker benthic foram increase	DEF AT 3
8090 / 7362	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT 3
9290 / 8393	DEF AT Upper Pliocene (Gelasian) Globorotalia menardii (coiling change left/right)	DEF AT 3
9620 / 8689	POS AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT 3
9740 / 8798	POS AT Upper Pliocene (Gelasian) Bolivina impercata / "P"	DEF AT 3
9859 / 8905	DEF AT pyrite	DEF AT 4
9860 / 8906	DEF AT local marker benthic foram increase	DEF AT 4
10850 / 9808	DEF AT last sample examined	DEF AT 4

This report contains public paleo reports only for the time period stated

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 598	Date of Summary: 23-FEB-1998	First Sample Examined: 0
Lease Number: G17815	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 9811
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 9373
API Well Number: 177024118601	Drilling Operator: EOG RESOURCES INC	Rkb Elevation: 94
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 260
Public Info Code: Y 22-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
7032 / 6839	DEF AT Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT
7344 / 7116	DEF AT Upper Pliocene (Gelasian) Cristellaria "S"	DEF AT
8826 / 8464	DEF AT Upper Pliocene (Gelasian) Globorotalia miocenica	DEF AT

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Start Date: 01-JAN-2008

End Date: 01-AUG-2008

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Area Block: WC 617	Date of Summary: 26-MAY-1998	First Sample Examined: 3930
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9670
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7926
API Well Number: 177024120500	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3930 - 9660	Water Depth: 299
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS: Y	Paleo ID: 002

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3930 / 3669	DEF AT first sample examined	POS AT 3
4500 / 4099	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT 3
6120 / 5348	DEF AT sample gap top	POS AT 3
6210 / 5417	DEF AT sample gap bottom	DEF AT 3
6510 / 5642	DEF AT sample gap top	POS AT 3
6660 / 5754	DEF AT sample gap bottom	DEF AT 3
9150 / 7583	DEF AT faunal change (no faunal increase)	DEF AT 2
9660 /	DEF AT last sample examined	DEF AT 2



Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 617	Date of Summary: 26-MAY-1998	First Sample Examined: 3930
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9670
Well Name: 002	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 7926
API Well Number: 177024120500	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3930 - 9660	Water Depth: 299
Public Info Code: Y 13-JUN-2008	Ecozone Eq MMS:	Paleo ID: 003

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3930 / 3669	DEF AT first sample examined	DEF AT
3931 / 3670	DEF IN Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9660 /	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 617	Date of Summary: 30-APR-1998	First Sample Examined: 3500
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9907
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8732
API Well Number: 177024120100	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 1 of 2	Sample Range: 3500 - 9890	Water Depth: 299
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS: Y	Paleo ID: 001

Remark: Foram species abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>		
3510 / 3510	DEF AT first sample examined	POS	AT	3
4190 / 4190	DEF AT Middle Pleistocene (Ionian) Trimosina "A"	DEF	AT	3
8780 / 8062	DEF AT faunal change (no faunal increase)	DEF	AT	2
9890 / 8729	DEF AT last sample examined	DEF	AT	2

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WC 617	Date of Summary: 30-APR-1998	First Sample Examined: 3510
Lease Number: G13852	Source of Paleo: OPERATOR	Borehole MD: 9907
Well Name: B001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 8732
API Well Number: 177024120100	Drilling Operator: MCMORAN OIL & GAS CO	Rkb Elevation: 91
Paleo Report Num: 2 of 2	Sample Range: 3510 - 9890	Water Depth: 299
Public Info Code: Y 19-MAY-2008	Ecozone Eq MMS:	Paleo ID: 002

Remark: Calcareous nannofossil report, nannospecies abundance and diversity chart available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3510 / 3510	DEF AT first sample examined	DEF AT
4040 / 4040	POS AT Middle Pleistocene (Ionian) Pseudoemiliana lacunosa "B"	DEF AT
9890 / 8729	DEF AT last sample examined	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WD 39	Date of Summary: 18-DEC-1998	First Sample Examined: 0
Lease Number: G16469	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 10700
Well Name: A001	Paleo Done By: OPERATOR	Borehole TVD: 10700
API Well Number: 177194066000	Drilling Operator: EL PASO PRODUCTION GOM INC	Rkb Elevation: 104
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 82
Public Info Code: Y 30-JUN-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
3200 / 3200	DEF AT Upper Pliocene (Gelasian) Lenticulina 1	DEF AT
8580 / 8579	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT
9110 / 9109	DEF AT Upper Miocene (Tortonian) Cyclammina 3	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WD 61	Date of Summary: 19-APR-1999	First Sample Examined: 0
Lease Number: G03186	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 15069
Well Name: B001	Paleo Done By: OPERATOR	Borehole TVD: 12793
API Well Number: 177194066400	Drilling Operator: STONE ENERGY LLC	Rkb Elevation: 83
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 105
Public Info Code: Y 08-JUL-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark:

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
12815 / 11353	DEF AT Upper Miocene (Tortonian) Bigenerina floridana / "A"	DEF AT

Paleo for Public Release (Date Specific)

Start Date: 01-JAN-2008  
End Date: 01-AUG-2008

Area Block: WD 65	Date of Summary: 05-FEB-1998	First Sample Examined: 0
Lease Number: G01082	Source of Paleo: COMPLETION REPORT (WELL SUMMARY)	Borehole MD: 4034
Well Name: A002	Paleo Done By: OPERATOR	Borehole TVD: 2923
API Well Number: 177194065400	Drilling Operator: BURLINGTON RESOURCES OFFSHORE INC	Rkb Elevation: 100
Paleo Report Num: 1 of 1	Sample Range: 0 - 0	Water Depth: 140
Public Info Code: Y 02-FEB-2008	Ecozone Eq MMS:	Paleo ID: 001

Remark: In=sand

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
2054 / 2050	DEF IN Middle Pleistocene (Ionian) Trimosina "A"	DEF AT
3503 / 2918	DEF IN Lower Pleistocene (Calabrian) Angulogerina "B"	DEF AT

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WR 371	Date of Summary: 06-MAY-2008	First Sample Examined: 19886
Lease Number: G18701	Source of Paleo: OPERATOR	Borehole MD: 30596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28867
API Well Number: 608124003000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 19886 - 30596	Water Depth: 6284
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

**Remark:** Consultant-integrated foram and nanno report, foram and nannofossil species abundance and diversity charts available, see report for details

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
19886 / 19283	DEF AT first sample examined	DEF AT 5
19887 / 19284	DEF IN base of salt	DEF AT 5
19888 / 19285	DEF IN out-of-place section	DEF AT 5
20150 / 19518	POS AT Upper Pliocene (Piacenzian) Sphaeroidinellopsis seminulina	DEF AT 5
21050 / 20324	DEF IN Lower Pliocene (Zanclian) Reticulofenestra pseudumbilica	DEF AT 5
21140 / 20404	POS AT Lower Pliocene (Zanclian) Globigerina druryi / nepenthes "B"	DEF AT 5
21440 / 20673	POS IN Lower Pliocene (Zanclian) Siphotextularia jugosa / "J"	DEF AT 5
21679 / 20887	DEF AT Lower Pliocene (Zanclian) Ceratolithus acutus	DEF AT 5
21680 / 20888	DEF AT Lower Pliocene (Zanclian) Globigerinoides mitra	DEF AT 5
21770 / 20969	DEF AT Upper Miocene (Messinian) Discoaster quinqueramus	DEF AT 5
23119 / 22175	DEF IN Upper Miocene (Tortonian) Minylitha convallis	DEF AT 5
23120 / 22176	DEF IN Upper Miocene (Tortonian) Catinaster mexicanus	DEF AT 5
23600 / 22605	POS AT Upper Miocene (Tortonian) Discoaster bollii	DEF AT 5
23690 / 22686	POS AT Upper Miocene (Tortonian) Catinaster coalitus	DEF AT 5
24159 / 23106	POS AT Middle Miocene (Serravallian) Sphenolithus heteromorphus	DEF AT 5
24160 / 23107	POS AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
24219 / 23160	POS AT Middle Miocene (Serravallian) Globorotalia peripheroacuta	DEF AT 5
24220 / 23161	POS AT Middle Miocene (Serravallian) Globorotalia peripheroronda	DEF AT 5
25180 / 24022	DEF AT Middle Miocene (Serravallian) Discoaster petaliformis	DEF AT 5
25359 / 24181	DEF AT Middle Miocene (Serravallian) Sphenolithus heteromorphus (acme)	DEF AT 5
25360 / 24182	POS AT Middle Miocene (Serravallian) Praeorbulina glomerosa	DEF AT 5
25840 / 24612	POS AT Middle Miocene (Langhian) Helicosphaera ampliaperata	DEF AT 5

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UNITED STATES DEPARTMENT OF THE INTERIOR  
MINERALS MANAGEMENT SERVICE  
GULF OF MEXICO REGION

*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

<b>Area Block:</b> WR 371	<b>Date of Summary:</b> 06-MAY-2008	<b>First Sample Examined:</b> 19886
<b>Lease Number:</b> G18701	<b>Source of Paleo:</b> OPERATOR	<b>Borehole MD:</b> 30596
<b>Well Name:</b> 001	<b>Paleo Done By:</b> PALEO-DATA, INC.	<b>Borehole TVD:</b> 28867
<b>API Well Number:</b> 608124003000	<b>Drilling Operator:</b> ANADARKO PETROLEUM CORPORATION	<b>Rkb Elevation:</b> 91
<b>Paleo Report Num:</b> 1 of 1	<b>Sample Range:</b> 19886 - 30596	<b>Water Depth:</b> 6284
<b>Public Info Code:</b> Y 21-JUL-2008	<b>Ecozone Eq MMS:</b> Y	<b>Paleo ID:</b> 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
26170 / 24908	DEF AT Middle Miocene (Langhian) Discoaster deflandrei (acme)	DEF AT 5
26200 / 24934	POS IN Middle Miocene (Langhian) Globigerinatella insueta	DEF AT 5
26349 / 25068	DEF AT Lower Miocene (Burdigalian) Sphenolithus belemnus	DEF AT 5
26350 / 25069	DEF AT Lower Miocene (Burdigalian) Sphenolithus disbelemnus	DEF AT 5
26380 / 25095	POS AT Lower Miocene (Burdigalian) Catapsydrax dissimilis	DEF AT 5
26500 / 25203	POS AT Lower Miocene (Burdigalian) Discoaster callosus (increase)	DEF AT 5
26560 / 25256	POS AT Lower Miocene (Burdigalian) Globigerina binaensis	DEF AT 5
26680 / 25363	DEF AT out-of-place section	DEF AT 5
26710 / 25390	POS AT reworked material	DEF AT 5
26769 / 25443	DEF IN Lower Miocene (Burdigalian) Triquetrorhabdulus carinatus	DEF AT 5
26770 / 25444	DEF AT Lower Miocene (Aquitania) Cyclocargolithus abisectus	DEF AT 5
27190 / 25823	DEF AT Lower Miocene (Aquitania) Helicosphaera recta	DEF AT 5
27340 / 25956	DEF AT Upper Oligocene (Chattian) Dictyococcites bisectus	DEF AT 5
27390 / 26001	POS AT Upper Oligocene (Chattian) Globigerina ciperoensis ciperoensis	DEF AT 5
27400 / 26010	POS AT Upper Oligocene (Chattian) Sphenolithus ciperoensis	DEF AT 5
27490 / 26089	POS AT Upper Oligocene (Chattian) Sphenolithus distentus	DEF AT 5
27520 / 26115	POS AT Upper Oligocene (Chattian) Globorotalia opima opima	DEF AT 5
27550 / 26142	POS AT Lower Oligocene (Rupelian) Nonion struma	DEF AT 5
27670 / 26248	POS AT Lower Oligocene (Rupelian) Sphenolithus predistentus	DEF AT 5
27760 / 26328	POS AT Lower Oligocene (Rupelian) Helicosphaera compacta	DEF AT 5
28180 / 26706	POS AT Lower Oligocene (Rupelian) Globorotalia increbescens	DEF AT 5
28198 / 26722	DEF IN Lower Oligocene (Rupelian) Reticulofenestra umbilica	DEF AT 5
28299 / 26813	DEF AT Lower Oligocene (Rupelian) Ericsonia formosa	DEF AT 5
28300 / 26814	DEF AT Upper Eocene (Priabonian) Globorotalia pomeroli	DEF AT 5

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*Paleo for Public Release (Date Specific)*

Start Date: 01-JAN-2008

End Date: 01-AUG-2008

Area Block: WR 371	Date of Summary: 06-MAY-2008	First Sample Examined: 19886
Lease Number: G18701	Source of Paleo: OPERATOR	Borehole MD: 30596
Well Name: 001	Paleo Done By: PALEO-DATA, INC.	Borehole TVD: 28867
API Well Number: 608124003000	Drilling Operator: ANADARKO PETROLEUM CORPORATION	Rkb Elevation: 91
Paleo Report Num: 1 of 1	Sample Range: 19886 - 30596	Water Depth: 6284
Public Info Code: Y 21-JUL-2008	Ecozone Eq MMS: Y	Paleo ID: 001

<u>MD / TVD</u>	<u>Paleo Top Description</u>	<u>Ecozone</u>
28328 / 26839	DEF AT Upper Eocene (Priabonian) Discoaster saipanensis	DEF AT 5
28329 / 26840	DEF AT Upper Eocene (Priabonian) Discoaster barbadiensis	DEF AT 5
28330 / 26841	DEF AT Upper Eocene (Priabonian) Cribrocentrum reticulatum	DEF AT 5
28359 / 26867	DEF AT Middle Eocene (Bartonian) Truncorotaloides rohri	DEF AT 5
28360 / 26868	DEF AT Middle Eocene (Bartonian) Globorotalia bullbrooki	DEF AT 5
28510 / 27003	DEF AT Middle Eocene (Bartonian) Chiasmolithus grandis	DEF AT 5
28538 / 27028	DEF AT radiolarians	DEF AT 5
28580 / 27066	POS AT Middle Eocene (Bartonian) Sphenolithus furcatolithoides	DEF AT 5
29140 / 27565	POS AT Lower Eocene (Ypresian) Discoaster multiradiatus	DEF AT 5
29160 / 27583	DEF AT radiolarians	DEF AT 5
29530 / 27913	POS AT Upper Paleocene (Thanetian) Discoaster diastypus	DEF AT 5
30596 / 28867	DEF AT last sample examined	DEF AT 5